

MAY 1955

The **School Executive**



Can we condense
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into six? —page 51



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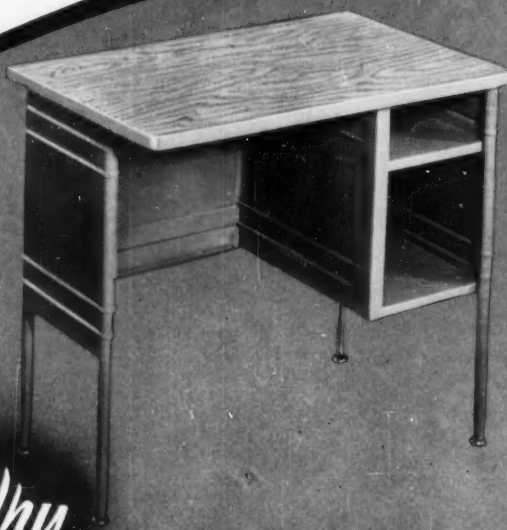
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The School Executive

MAY, 1955

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May, 1955

Preview for June

One article in particular scheduled for June you cannot afford to miss—it is David Austin's "The Secondary School Program for the Future." This will appear in the Green Sheet. Dr. Austin, of Teachers College, Columbia University, is known for his penetrating analysis and his clear vision; his views command attention.

Our round-up of CPEA activities will be continued next month with a description of the work at the Ohio Center CPEA, located at Ohio State University. Prepared under the guidance of the director, John A. Ramsayer, it is a report of the school-community development study. This is another important chapter which should be of interest to all administrators.

There will also be articles on a reading experiment at secondary school and college levels; the permanency of the teacher shortage; an adult education program at Niagara Falls, New York; extra pay and the teaching load; citizen participation in the public schools; a community college as part of the public school system; and teacher helpers.

These plus other articles and the regular features should provide a rich diet for your first vacation month.

Sincerely,
Walter D. Cocking, Editor

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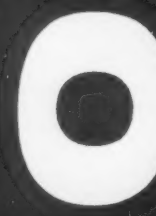
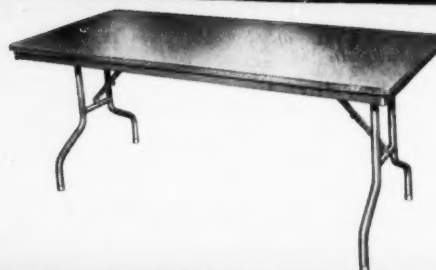
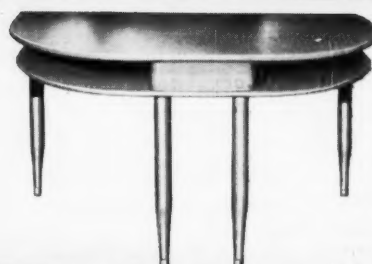
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AS I SEE IT /

by Helen W. Locking

How Well Do We Understand Youth?

TWO OF THE INTERESTING characteristics of youth are in seeming contrast to each other: their desire to be accepted as adults and to participate in adult planning and action; and their occasional retreat to the role of small children needing parents' care, protection and sympathy.

To understand youth and their complicated pattern of behavior, one has to know the characteristics of this age group.

As youth grow and develop, their desire for acceptance in the role of adult becomes increasingly dominant. It demands expression. As I see it, parents, teachers and adult neighbors must accept youth in this role. If opportunities to display and participate in adult activity are denied young people or, as is so often the case, if adults refuse to accept youth in this capacity the results can be disastrous. Youngsters rebel and lose faith and confidence in their adult friends. Following their natural instincts, they take precipitate action in order to "show" their seniors, while some of the less forceful become despondent or recalcitrant. In any case, orderly emotional growth hits a snag.

If this situation is recognized early enough and met intelligently, no serious or lasting harm is done. If ignored and especially if actively resisted, the harm can be permanent.

YOUTH MUST naturally accept some responsibility for the result of their actions. But equally so, adults must understand where they too have failed. Undoubtedly the failure of adults to understand young people and their own corollary role in youth's development is responsible in large measure for the failure of many youths to adjust and our resulting national problem of juvenile delinquency.

Parents especially seem to have difficulty in recognizing and understanding their bewildering offspring at the adolescent period of development. There is the natural conflict between the parental desire to protect, comfort and supervise their children and youth's demand for equality with the adult members of their families. There is the insistence by parents that they know what is best for teen-age Robert and Sally and must therefore

plan for them. They tell them what to do and insist on absolute compliance with these adult-determined decisions.

They fail to realize that the little child who needed such guidance has now become a youth striving desperately for an equal role with his parents and other adults in planning what they shall do and in translating these plans into action.

Teachers, too, are often guilty of similar mistakes. They assign lessons, hand out judgments and penalties and make and enforce the rules. Their actions seem to say that they refuse to accept youth as partners in their school life. All too rare is the understanding teacher who makes Robert and Sally partners in planning the school's work and its role in their lives. Though the teachers may know their subject matter, it avails them little unless they also know something of the evolving characteristics of Robert and Sally.

THE GRADUAL superseding of our urban over our agrarian society may explain much of today's difficulty in successful transition from childhood to adulthood. The farm youth of yesterday had hardy tasks and important responsibilities. He was a partner with his father in carrying out the tasks of the farm. These responsibilities sobered and matured the young lad. Today, youth find less and less opportunity for such partnership and responsibilities. And without them, the role of "child" is prolonged when it no longer fits. Youth rebel, and as we have seen, disastrous consequences can follow.

As I see it, earnest efforts must be made to find a more responsible role for youth during their adolescent years. Much needs to be done in the neighborhoods, for example, which youth *can* help to do and do better and more vigorously than others. Parents, teachers and other adults would do well to consider how youth can be involved in home, school and community planning and action.

The results in my judgment will pay large dividends not only in building better communities but also in helping youth to develop naturally and normally as good constructive citizens.



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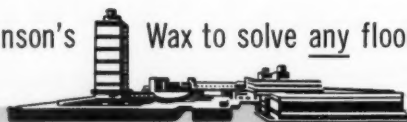
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KEYNOTES /

comments on the educational scene

Citizen committees

THE PAST FIVE YEARS have seen an unparalleled active interest by citizens in their schools. Much of this has manifested itself in the organization and operation of formal citizen groups.

Much of the impetus for these groups has come from the work and suggestions of the National Citizens Commission for the Public Schools. Through first-hand contact, national and regional meetings, bulletins and correspondence, this Commission has guided groups throughout the country on organization, proper work subjects, methods of procedure, and relationships with other groups, official and non-official, also interested in better schools.

State citizens committees in a majority of states have been formed and are now actively at work. These state committees have accepted generally two primary tasks; to stimulate the formation of local committees, and then to service them. Their work is growing in power and effectiveness.

The heart of the citizens movement, however, is found in the more than 10,000 local committees scattered throughout the 48 states. Here the real work is done, and here lies the hope for the future.

Let's talk nonsense to the people!

WE SCHOOL PEOPLE, I am afraid, have been too intent on talking sense to the American people.

For a long time we have been promoting the adoption of better attendance and administrative units for the operation of the nation's school system. By "better" administrative units we mean more economical as regards finances, more comprehensive as regards subjects to be taught, more effective as regards public control, and in addition, more convenience for pupils.

Let us, as responsible educational leaders, resist the temptation to talk "sense" of this type.

In this connection, I'd like to offer seven nonsense propositions. They are:

1. that the primary consideration in arriving at a unit of school organization is promotion of effective teaching and learning—that other considerations, such as convenience or economy are important but secondary.

2. that the primary determinant of an effective teaching-learning unit is the optimum size group in which teachers can operate as an effective unit—say, around ten or twelve, whether in elementary or secondary school.

3. that schools, in other words, should not be built to house a certain number of pupils or a certain course program, but to house a certain number of teachers.

4. that teaching-learning units should be concerned not

primarily with subjects to be taught, but with pupils to be guided.

5. that teaching-learning units should be given the maximum autonomy as regards administration and finance and the maximum support as regards supervision, in the sense of expert technical service primarily concerned with helping teachers study and improve the conditions that surround learning and pupil growth.

6. that teachers and students in relatively autonomous teaching-learning units would have the maximum opportunity and encouragement to establish and maintain an effective relation between the school curriculum and the community in which they were located.

7. that organization of school systems in teaching-learning units would promote more effective staff relations, and thus better staff morale, articulation, professional and personal growth, teaching—better learning.

We as school people ought always to insist that school organization be judged good or poor in the degree to which it contributes to the effectiveness of learning, to growth and achievement of the learner.

If we don't, who will?

WILLIAM O. PENROSE, *Dean
School of Education
University of Delaware
Newark, Delaware*

School districts

AMERICA CONTINUES TO have the problem of organizing local school districts which can provide adequate educational opportunities for its people, and which have the financial ability for necessary support.

School district organization has been and still is a hodgepodge. Sound principles have often been sacrificed for expediency, selfish interest and temporary local considerations. As a result, many present local school districts are inadequate. They cannot provide needed educational programs or finance them.

The central consideration which should guide revisions of school district organization is setting up areas under the jurisdiction of one board of education which has the responsibility to provide needed educational programs for all the people, young and old, who can benefit.

The resulting districts should have the financial ability to provide these educational opportunities adequately and economically.

The application of this common sense provision to school district organization in the United States would save money and, what is more important, would immensely increase the educational opportunity for many millions of people.

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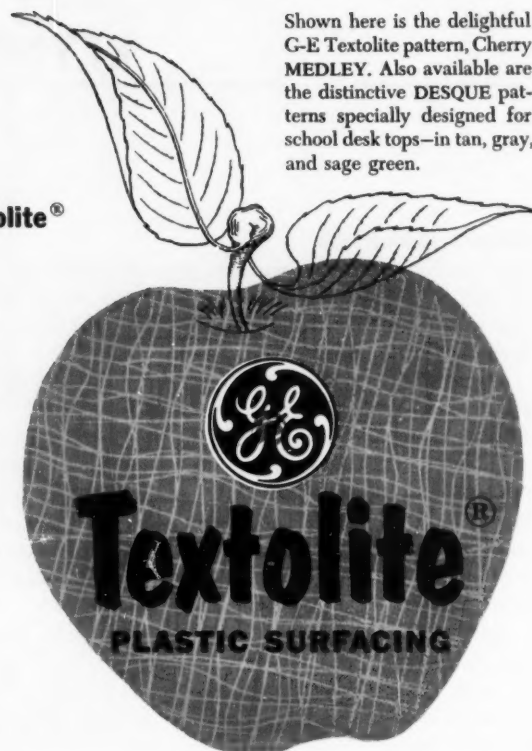
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School Exhibit Draws Crowds, Five Architects Win 'First'

The school architectural exhibits at the recent AASA regional conventions in St. Louis, Denver and Cleveland have drawn large and enthusiastic crowds from among the visiting architects and school administrators.

Co-sponsored by the American Association of School Administrators and the American Institute of Architects, the exhibits consisted of photographs, drawings and models of new school buildings displayed on colorful hardboard carrels.

Forty-five entries were judged at the Denver exhibit representing the Rocky Mountain and Western states. The judges noted that these entries had given special attention to site development, showed considerable planning in terms of program and achieved a pleasing and non-institutional design through simple form.

First-place awards were given to the following architects:

Max Flatow, Albuquerque, New Mexico, for his Farmington, New Mexico, High School;

John Lyon Reid, San Francisco, for his Terra Linda Elementary School, San Carlos, California;

Caudill, Rowlett, Scott and Associates, Bryan, Texas, for both the Florence Black Elementary School in Mesquite, Texas, and the Edna, Texas, Elementary School; and

Clark and Enersen, Lincoln, Nebraska, for the Harvard, Nebraska 12-Grade Community School.

Architect Describes Effects of Obsolete Building Codes

Most municipal and state building codes are "obsolete before they become effective," an article in the November-December AIA Bulletin declares.

Writing on school plant programming, the author of the article, Architect Charles R. Colbert, explains that this is usually because "codes deal

How to Cut Costs of School Buildings

At the St. Louis AASA meeting Paul W. Seagers, professor of education and school plant specialist of Indiana University, made the following points concerning ways to reduce the costs of school buildings:

"There are a few simple principles with which practically everyone is familiar, which not only cut down the first cost of the building, but also frequently help reduce the cost of maintenance.

"I would say the first principle is not to rush the architect. He must have adequate opportunity to study the problem and carefully put all the data together.

"Insist on time for review of the plans at every stage of development.

"Make as many decisions as possible early so that the architect does not have to continuously make changes in the plans.

"Decreasing the number of trades to be used in the construction by careful selection of materials may prove a substantial saving. A more careful selection of native materials or materials close to the construction job can definitely help lower the cost. Most architects do not have the time to become acquainted with the vast supply of new materials. A careful study of new materials and their proper use in construction can prove very beneficial."

with specific rather than principles."

"Millions of dollars are wasted each year on school buildings," Mr. Colbert declares, "because of adherence to obsolete and ill-advised building codes." He cited the example of a large Southern city where "we are required by the Sewerage and Water Board to furnish one toilet per 20 pupils. I am sure that this ratio of 125 percent more toilets than required by New York will not help the South to rise again!"

Flesher, Morphet Consultants to White House Conference

William R. Flesher, professor of education at Ohio State University, and Edgar M. Morphet, professor of education at the University of California, have been named among seven consultants to the White House Conference in Education.

Dr. Morphet will serve as consultant to the subcommittee on "How Can We Finance Our Schools—Build and Operate Them?" Dr. Flesher will serve with the subcommittee on "What Are Our School Building Needs?"

Each subcommittee will compile an analysis of its subject which will be sent in advance to participants of the White House Conference for their study and discussion at the national meeting.

Architecture Disserved By Lack of Free Criticism

"It is high time that free architectural criticism spread a little," writes Douglas Haskell in his editorial in the March *Architectural Forum*.

Mr. Haskell does not believe that lack of interest accounts for this lack of criticism, but rather that, "a self-imposed caution has led U.S. architectural editors to avoid the painfulness of dispraise: simply omitting bad buildings, ignoring poor features of good ones, damning by faint praise, or else standing aside and 'letting the reader judge'."

Enthusiasm for specific designs, he writes, is "discounted by skeptical readers if they find nothing else, and injustice is thereby done to precisely the best buildings, the best clients, the best architects, best builders, and best engineers."

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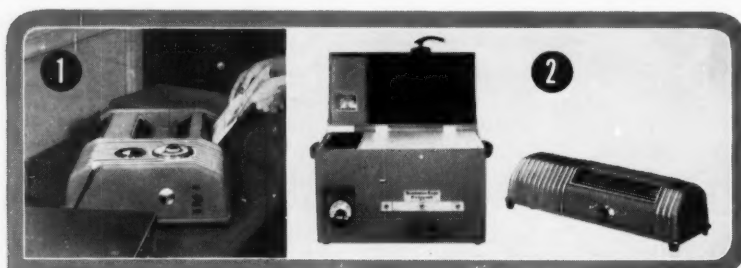


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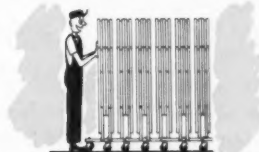
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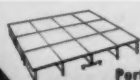
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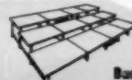
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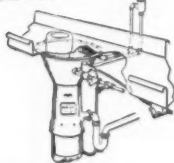
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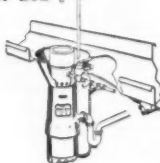
VERSATILITY!

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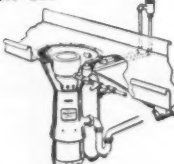
JH 101



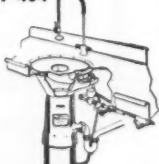
JH 202



JH 303



JH 404



JH 101 Assembly
For soiled dish table where pre-wash is not required.

JH 202 Assembly
For vegetable or meat preparation tables.

JH 303 Assembly
With vegetable and dish adaptor. Available with or without overhead spray.

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For information about the new Model "JH" ask your dealer or write direct.



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LETTERS

to the editor

Preventing TB

TO THE EDITOR: My nephew, age 6½, has contracted tuberculosis from his first-grade teacher. He is one of four children so infected. As a result, these children will need to spend months in bed and will have at all times to be careful because they will be particularly susceptible to adult tuberculosis.

Tubercular infection of children by unsuspecting teachers occurs all too often. I have discovered a report of similar infection of children by unsuspecting teachers in numerous other places, one just two weeks ago in a neighboring town.

The most desirable preventive measure is an annual chest x-ray for all school personnel—including administrators, custodians, bus drivers, lunchroom employees and teachers. A chest x-ray is a quick, painless and inexpensive procedure. Local and state tuberculosis associations and health departments have been most cooperative in making their facilities available free of charge.

Although in some localities, there is a requirement for chest x-rays every three years for teachers, all personnel need this simple check every year, not only for their own protection, but for the protection of children.

In addition, each child under fifteen should have a yearly tuberculin test to detect possible infection as early as possible. Each child over fifteen should have a yearly chest x-ray.

All adults at home—parents, baby-sitters and household workers—should have yearly x-rays also.

All of us share responsibility for securing state and local legislation for annual chest x-rays for all school personnel.

ELIZABETH S. AVERY
Assistant Secretary
American Association for Health,
Physical Education and Recreation
Washington, D. C.

CONFERENCES

on education

The President's White House conference committee reports that all states and territories have announced that they will hold local conferences on education. This means 100 percent participation.

ARKANSAS

Tentatively planned for September or October.

CALIFORNIA

To be held September 26-27.

COLORADO

Regional meetings to be held before April 30; statewide conference on or about September 15.

CONNECTICUT

Held Nov. 30-Dec. 1; six regional conferences to be held in April and May.

DELAWARE

To be held October 8.

IDAHO

Scheduled for June.

INDIANA

Scheduled for October 13.

IOWA

Held December 9-10; group studies to report in June.

KANSAS

Held December 9; group studies to report in October.

KENTUCKY

Tentatively planned for September 21-22.

MAINE

Tentatively planned for early fall.

MARYLAND

Tentatively planned for June.

MICHIGAN

Scheduled for May 18.

MINNESOTA

To be held May 23-24.

MONTANA

To be held September 22-23.

NEBRASKA

Held Nov. 22; follow-up conference to follow.

NEW HAMPSHIRE

Scheduled for June 6.

NEW JERSEY

To be held May 20-21.

NORTH DAKOTA

Scheduled for October 3-4.

OREGON

Tentatively planned for June.

PENNSYLVANIA

Scheduled for April 14-15.

SOUTH CAROLINA

Scheduled for July or August.

SOUTH DAKOTA

Two regional conferences scheduled for March 19 and April 2.

VERMONT

Tentatively planned for September.

VIRGINIA

Tentatively planned for August.

WASHINGTON

Held Nov. 22-23.

WEST VIRGINIA

Tentatively planned for September.

WISCONSIN

To be held June 27-28.

WYOMING

Held Nov. 19; follow-up meeting scheduled for May.

DISTRICT OF COLUMBIA

To be held May 26.

ALASKA

Planned for October.

HAWAII

Scheduled for April 14-16.

PUERTO RICO

Tentatively planned for summer.



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Now, school gymnasium and vocational shop floors can be *durable* as well as beautiful—with Kreolite Flexible Strip End Grain Wood Block Flooring.

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Name

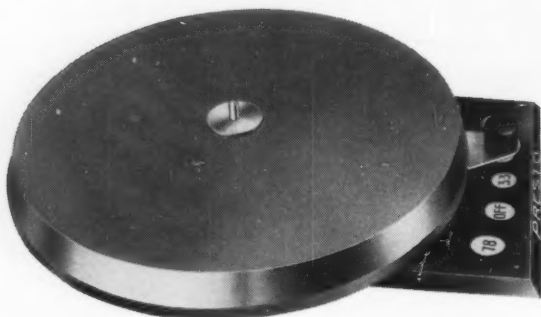
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*turns motor off and on

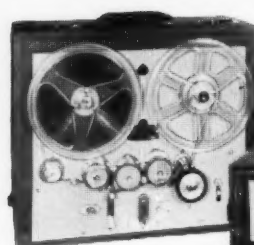
No more complications! PRESTO simplifies operation down to A-B-C with new-design T-18 — the turntable that eliminates trouble-making arms and shift cams, assures trouble-free performance.

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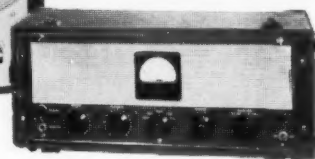
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Front axle shall have gross weight rating equal to or exceeding load supported by front axle		✓	Fuel tank shall have minimum capacity of 30 gallons and be made of 18-gauge terneplate or equivalent	✓	
Rear axle shall be full-floating type and have a gross weight rating equal to or exceeding load supported by rear axle		✓	Flexible gasoline- and oil-proof connections shall be provided at engine end of fuel line	✓	
4-wheel brakes adequate to control fully loaded bus shall be provided.		✓	Instrument panel instruments must be clearly visible to driver		✓
Brakes shall be able to stop vehicle within 22 feet when driven at 20 m.p.h. over dry level road		✓	Grade ability must be such that bus can climb 3% grade at 20 m.p.h. (fully loaded)		✓
Power-type brakes shall be part of equipment for chassis designed for 48 passengers or more	✓		Double-action front shock absorbers of adequate size shall be provided		✓
Brake vacuum reservoir shall be at least 1000-cu. in. capacity for vacuum-actuated systems	✓		Springs must have ample resiliency to sustain fully loaded bus without evidence of overload		✓
Front bumper must be of sufficient strength to permit pushing vehicle of equal gross weight without permanent distortion	✓		Rear springs shall be of the progressive type	✓	
Drive shaft shall be protected by metal guard to prevent it from whipping through floor or dropping to ground if broken	✓		Stationary eyes of front springs shall be protected by wrapper leaf in addition to main leaf	✓	
Exhaust system shall be properly insulated from fuel system	✓		Steering gear shall be designed to provide safe and accurate performance when vehicle is operated with maximum load and at maximum speed		✓
Frame design shall correspond to standard practice for equivalent-rated trucks in severe service		✓	All tires shall be of same size and ply rating	✓	



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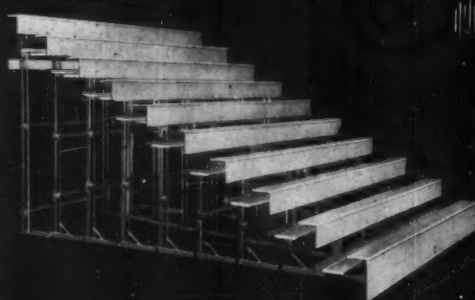
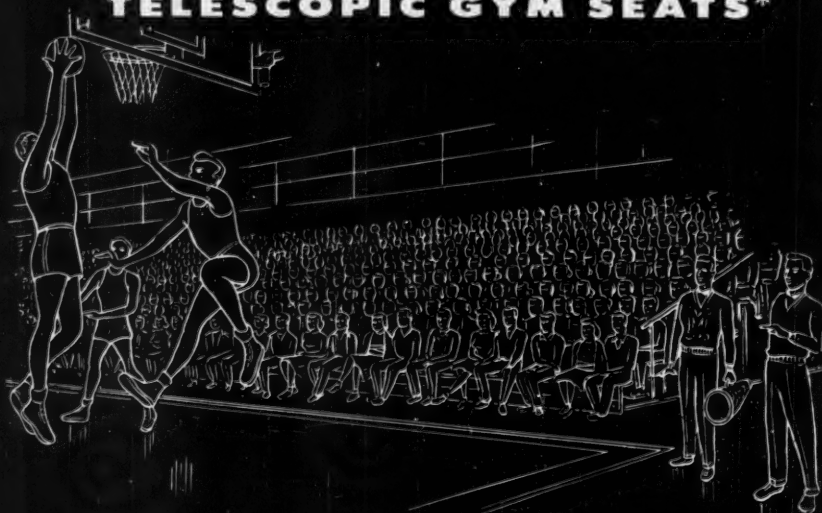
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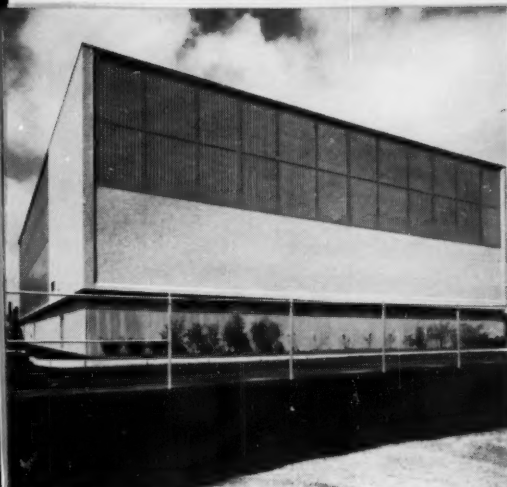
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OWENS-ILLINOIS GLASS BLOCK* PANELS daylight this huge gymnasium... INSULATE LIKE AN 8" WALL



Gymnasium at Northeastern University, Boston, Massachusetts. Shepley, Bulfinch, Richardson and Abbott, Architects. Volpe Construction Company, Contractor.

Panels of Owens-Illinois light-directing Glass Block provide even distribution of daylight throughout the gymnasium area. They eliminate "hot spots," glare and harsh contrasts.

The insulating efficiency of glass block makes designs like this possible. Glass block permit use of large glass areas without excessive heat loss.



BECAUSE Owens-Illinois Glass Block insulate as effectively as an 8" thick brick wall, huge expanses of glass block are practical even in a cold climate.

Glass block are strong and hard to break—perfect for a gymnasium use like this. They need no maintenance—perfect when panels are put in inaccessible places.

The complete Owens-Illinois Glass Block story is yours for the writing. Send for it and see how glass block can mean better sight, better light, lower maintenance and great new design freedom in school planning. Address Kimble Glass Company, subsidiary of Owens-Illinois, Dept. SE-5, Toledo 1, Ohio.

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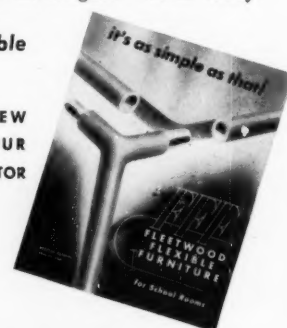
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THE SCHOOL EXECUTIVE

OUR SCHOOLS

what the citizen wants to know about education

Steadily rising school costs, plus a need for more money to pay them, requires a

New Look at Property Taxes

by ARVID J. BURKE

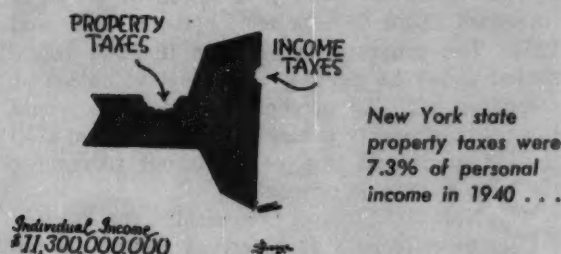
Director of Studies
New York State Teachers Association
Albany, New York

"In the decade ahead, property taxes cannot be relied upon to provide the increases in revenues needed to finance the increase in the country's expenditures for education," concludes the National Citizens Commission For the Public Schools in *Financing Public Education in the Decade Ahead*.

This conclusion is based upon the assumption that property values do not share proportionately in increased levels of national productivity.

The foregoing conclusion should not be inter-

1940



preted too literally. Property taxes cannot finance all of the future expenditure requirements of all local units of school government, but they can finance a large part of the increases in many local units.

Increased productivity and income within limits does increase property values and ability to pay the property tax, but not necessarily in proportion to the rise in productivity. This arises from many different economic classes of property which exist. The ability of home owners and tenants to pay the property tax should increase with a rise in income.

Property taxes on prosperous economic activities often can be passed on to consumers. On the other hand, property taxes on marginal or highly competitive activities may curtail earnings of the enterprise and its employees. Therefore, the de-

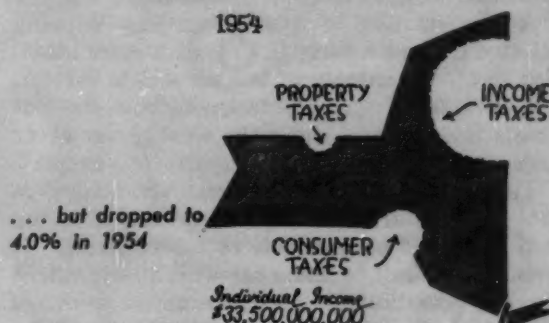
gree to which the property tax can be increased in any one locality depends upon the types of property taxed.

The adequacy of the levies to finance increased school expenditures in any one local unit of government also depends upon many other factors including the way the tax is conceived in law, how it is administered locally, the extent to which it is used to finance other governmental functions, the size of the local unit for school support, the property taxing powers granted to local school units, the property tax base relative to school population in the local unit, and the extent to which the local unit is aided by central governments. *There is no single answer to the question of adequacy that would apply to all local school units in the United States.*

If every reform possible in property taxation were made, some local units still would be more dependent upon other tax sources for the support of schools than others. No state can escape responsibility for supplementing property taxes for the support of schools in many, if not all, local school units.

Without attempting to make generalizations which will fit every locality, this article will attempt to demonstrate that there are definite advantages in seeking increased local property tax support during the years ahead, that a potential

1954



of increased property taxes does exist in many localities, and that a well-balanced school finance program will include improvements in the property tax.

The sharp rise in personal income and personal

income taxes since 1940 calls for a change in long established attitudes regarding the property tax as a source of public school revenues. In New York state for illustration, total income payments to individuals rose from \$11.3 billion (1940) to \$33.5 billion (1954) or 196 percent. During the same period, federal personal income taxes in the state rose from \$246 million to \$6.3 billion or nearly 2,500 percent.

Total property taxes in the state, on the other hand, represented 7.3 percent of personal income in 1940, but dropped to 4.0 percent in 1954. Thus, the burden of property taxes has decreased markedly in sharp contrast to the trend in other taxes. This difference in trend demands that property taxation should receive more attention as a potential source of increased local school revenue.

Program suggested to correct weaknesses

This generalization is true in most states with the possible exceptions of those like Massachusetts, Nebraska and New Hampshire. It is more true in at least half of the states than it is in New York. In 1953 total state and local property taxes



averaged \$35 per thousand of personal income as compared with \$40 in New York. In Alabama, the amount was \$17 as contrasted with \$57 in Nebraska and \$74 in New Hampshire.

A reorientation of school financing thinking relative to the property tax requires more attention to the advantages of the tax and to correcting its known weaknesses: Up to now the emphasis has been on using the weaknesses as an argument for seeking non-property tax support.

The property tax has two great advantages. It is a substantial revenue producer and it is the most stable of all available revenue sources. It would be difficult to find a tax with an equivalent revenue potential for local government. Its administration and equity can be increased by reforms.

A third important advantage of the property tax is that it can be administered by small units of government like school districts. To the extent that large units abandon property taxes, local

school government is strengthened. A fourth advantage, which will be recognized more as the weaknesses of other taxes become more evident, is that it is based upon something tangible and so is not easy to avoid or evade. Income taxes may be more equitable in theory, but the ease of evasion and avoidance and the heavy reliance which must be placed upon self-reporting leads to much greater inequities, injustices and difficulties of collection than is generally recognized.

Potential high as financial source

The potential of the property tax for increased school support can be shown by the following facts from New York. In 1940 the total assessed valuation of taxable property in the state was about \$26 billion. In 1954 it was about \$33 billion, an increase of only 28.0 percent. (The increase over the 1930 assessed valuation is only about 10.0 percent.) As in many other states property is being assessed at pre-war values.

Total taxes collected on property rose from \$824 million in 1940 to \$1.3 billion in 1954 or nearly 58 percent. On the surface it would seem that the tax burden on property has increased.

Actually the relative burden decreased. The full market value of taxable property in the state for 1954 exceeded \$51 billion or nearly 55.0 percent higher than the assessed valuation. The market valuation in 1940 probably was close to \$29 billion. Thus the market valuation of property increased about 75.0 percent between 1940 and 1954. The property tax burden in 1940 represented about 2.8 percent of market valuation as compared with 2.5 percent in 1954. This would indicate a property taxing potential of over \$100 million additional this year without increasing the 1940 burden on property.

The National Citizens Commission report cited earlier anticipates a 44.0 percent rise in the national product by 1965. If the market value of property increases at half this rate the taxing potential of the property tax in New York state would increase by \$400 million.

Public school expenditures rise

Public school expenditures in the state could rise over \$300 million by 1965 due solely to increasing attendance without any allowance for higher costs per pupil. Since the school districts cannot anticipate more than a third of the increased property taxing potential or \$133 million, over \$160 million of the \$300 million increased expenditures will have to be financed by non-property taxes. That is, the property tax cannot be expected to finance quite half of the increased expenditures estimated in New York state.

It will not be easy for school administrators to obtain increased property tax support, but it will be even more difficult to obtain the required proportion of non-property tax support from local, state or federal sources.

To obtain both the financial support and the advantages of property taxes will require a positive school finance program in most states, aimed at correcting existing weaknesses and injustices. Such a program would list these objectives:

1. modernizing property tax laws
2. removing arbitrary and archaic property tax limitations or at least basing them upon current market values of property
3. reforming assessment practices or at least having a scientific reassessment of property
4. modifying state aid laws to avoid penalizing local units which reassess property
5. abolishing state property taxes
6. allocating local non-property taxing powers to

larger local units of government in lieu of property taxing powers

7. increasing the property taxing powers of the smaller local units of government like school districts
8. reorganizing small school districts into stronger local tax units
9. providing for the payment of property taxes in smaller installments without penalties
10. providing a satisfactory state equalization program for school support to avoid excessive local property tax burdens.

Thus, property taxes can finance a large part of the increases in local school government costs to a degree which varies in each local district according to specific local factors. Further, the rise in personal income and in personal income taxes since 1940 has opened up property tax as a more attractive means of school support—a means which is necessary in most states.

School Building Costs and Bond Prices

HAROLD F. CLARK

Economic Analyst

Teachers College, Columbia University

The index of school building prices rose during March. In March, the index was 208.4 (1939=100)—in February, 207.9.

The slight steady rise of recent months continues. Building labor continues to advance month by month. On the average, each month shows a little advance over the previous one in building wages. This increase tends to range from one-quarter to one-third of a percent monthly. The pattern has been going on for quite a while, and there is nothing in the picture at the present time to indicate a change.

Building material prices are not advancing as steadily at all. Some months they stop advancing entirely. Once in a long while, building material prices will decline for a month or two. There have been two sizable periods of decline in the last sixteen years. Each of these periods lasted several months, but the upturn started and new all-time high levels were posted. Now, each new advance takes the building index into new high territory. This means that building prices were higher in March than they have ever been before.

The volume of construction, both school and general, remains very large. In recent weeks, many all-time high records have been set, as far as the amount of construction is concerned.

It is gradually being accepted by most authori-

ties that the volume of school construction will have to move to higher and higher levels and stay there for many years. Recently published reports on births in 1954 show an all-time high—well over 4,000,000. School construction levels are far from those needed to deal with such a high rate. Long before an adequate number of schools can be built, the pressure to secure reduction in cost is likely to be strong. Communities are going to have to explore more drastic methods to cut costs than have been used up to the present.

School plant used more hours a day

Some communities will probably have to initiate more careful studies on the utilization of school plants. At the same time that working hours are being shortened in industry, there is a substantial rise in the number of hours of the day that a school plant is used. At least theoretically, if the school plant could be used 25 percent more, something close to a 25 percent increase in the number of children could be accommodated. One might say that this would amount roughly to a 25 percent reduction in the cost of providing a given amount of school facilities.

Other communities will probably have to leave some of their school facilities unfinished. In many situations, school children and local citizens could help complete the school plant. In those communities where there is a good shop program the students may build certain parts of the plant.

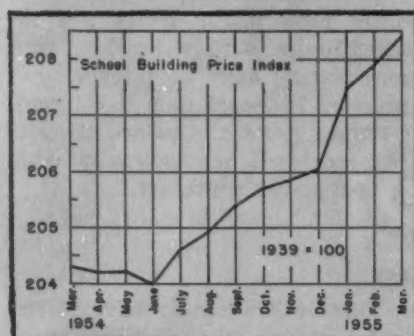
Utility rooms, shop and agricultural buildings could probably be constructed by students and the people in the community.

High income communities that have plenty of resources will doubtless continue to build along the present lines, with methods not too different from the present. Thousands of school districts are going to have to adopt drastic new procedures or else an adequate volume of school construction will never take place. Widespread study of federal and state assistance would help, but even then, local citizens are going to have to do some of the actual building for themselves.

Costs depend on technology

On a long term basis, any drastic reduction in school building costs clearly depends upon major improvements in the technology of the industry. We hear a great deal of discussion about Automation in manufacturing and industry, and even in the clerical fields. We hear very little discussion of important improvements in the technology in the building industries.

Every school board and school administrator in the country should be exerting the greatest pressure possible for fundamental improvements, and far greater mechanization in the process of school construction. This is the only method that will eventually bring large reductions in costs.



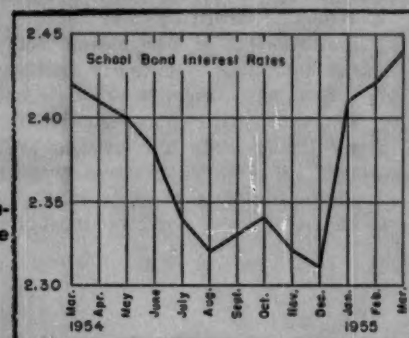
School building costs continue to advance

The average interest rate on school bonds sold during March was 2.44 percent. During February it was 2.42 percent. School bond interest rates are rising very slightly. Interest rates on Federal Government bonds are up, as well as on municipal and corporate bonds.

The rises are not large, but they are definite in

all fields. The demand for loans from the banks is steadily increasing and this is having an upward pressure on interest rates. The volume of public financing, particularly of the turnpike issues of the various states is extremely large. This also is causing interest rates to harden.

The amount of money borrowed to buy stocks is also steadily increasing. Federal authorities are afraid to ease money rates for fear of encouraging even more money to go into stock market speculation. Undoubtedly, what many people



School bond interest rates are rising slightly

would like to see is some method by which government bond interest rates could be kept low, whereas interest rates for speculative purposes could be raised. Most bond experts, however, doubt the possibility of accomplishing this result.

The net result is that authorities are reluctant to tighten credit for fear of hurting legitimate business. They are also quite reluctant to loosen it, for fear of encouraging speculation. This balance of forces could change at any time, but at the present moment it would seem to indicate reasonably stable interest rates, with possibly a slight tendency to rise.

School districts paying unnecessary interest

A good many school bonds are being sold at more than 3 percent interest. In many cases, this is because the bonds are not really sold. An announcement of the sale is made, but no real effort is made to obtain the highest possible price for the bonds. Consequently, a good many school districts with satisfactory credit are paying substantially more interest than is needed.

It will pay every school board and school administrator in the country to inquire most carefully when considering a bond issue as to whether they have set up adequate plans to sell the issue.

Next Month: The Secondary School Program for the Future—David Austin

No. 126. Reprints in quantities of ten or more may be purchased from *The School Executive*, 470 Fourth Avenue, New York 16, New York. 10 copies for 1 month: \$1.00, for 12 months: \$10.00; 25 copies for 1 month: \$2.00, for 12 months: \$20.00; 50 copies for 1 month: \$3.00, for 12 months: \$30.00; 100 copies for 1 month: \$5.00, for 12 months: \$50.00.



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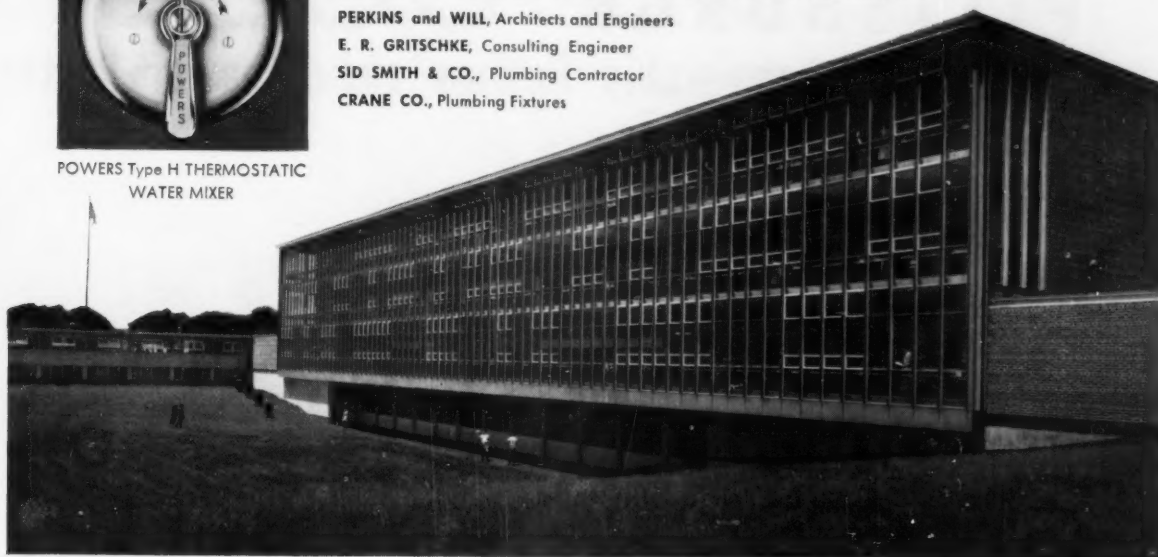
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POWERS

Thermostatic WATER MIXERS

Bathers Always Get Safe, Comfortable Showers when temperature is thermostatically controlled by Powers. There's no danger of slipping and falling while trying to dodge an unexpected shot of cold or hot water.

Check these Modern Powers Features — that provide utmost safety, comfort and economy:

- ✓ Regardless of pressure or temperature changes in water supply lines . . . shower temperature remains constant wherever bather wants it
- ✓ Failure of cold water supply instantly and completely shuts off shower.
- ✓ No danger of scalding caused by "dead end" in hot water supply line. Powers mixers have a reliable **thermostatic** safety limit of 115°F. A sudden rise of 100° in hot water supply to mixer is barely noticeable by a bather in a Powers regulated shower.
- ✓ Powers Mixers Save Water. No time or water is wasted by bather having to get out from under shower due to fluctuating temperature. Water conservation makes them more economical.

Consult Powers on Shower Planning. For Engineering data on thermostatic control for all types of shower baths call your nearest Powers office or write us direct.

(b93)



Nothing is more relaxing and refreshing than a Powers thermostatically controlled shower. One shower accident can be costly in damaging publicity, personal injuries and time consuming lawsuits. Why not provide insurance against these risks? Specify and install Powers *thermostatic* mixers.

✓ SERVICE Available in 60 Cities in the U.S.A., Canada and Mexico. See your Phone Book

Established in 1891 • THE POWERS REGULATOR COMPANY • SKOKIE, ILLINOIS

PITTSBURGH COLOR

Improves Scholarship Ratings and Behavior Patterns



A focal wall, usually painted in a darker value of the color used on the other walls, serves to secure and retain attention of pupils.

What One Midwest Educator Says About Results of COLOR DYNAMICS!

● "We have used COLOR DYNAMICS throughout our West Elementary School for the past four years. We have found this painting system solves our light reflection problems, thus creating a better mental atmosphere as well as improved physical environment. Teachers, pupils and patrons have expressed their preference for this type of decoration. Our Board of Education unhesitatingly recommends this program to schools seeking to solve light reflection difficulties. It is superior in results to all other plans that are comparable in cost."

JESS L. TAYLOR
Superintendent of Schools
Grandview, Missouri

Color is now being purposefully used in many hundreds of schools and colleges all over the country. By actual experience educators are finding that Pittsburgh's system of COLOR DYNAMICS accelerates learning processes and improves behavior patterns of pupils of all ages—from the kindergarten to the college classroom.

Definite proof of this is the intensive two-year study of the effect of COLOR DYNAMICS upon 2,500 school children in Baltimore. This comprehensive test revealed upward changes in both performance and behavior traits when the proper color environment was provided.

With COLOR DYNAMICS colors are chosen to suit the design and lighting of a classroom. Proper consideration is also given to the age of the pupils and the activities which these rooms house. Each room, corridor and stairway is in-



PITTSBURGH

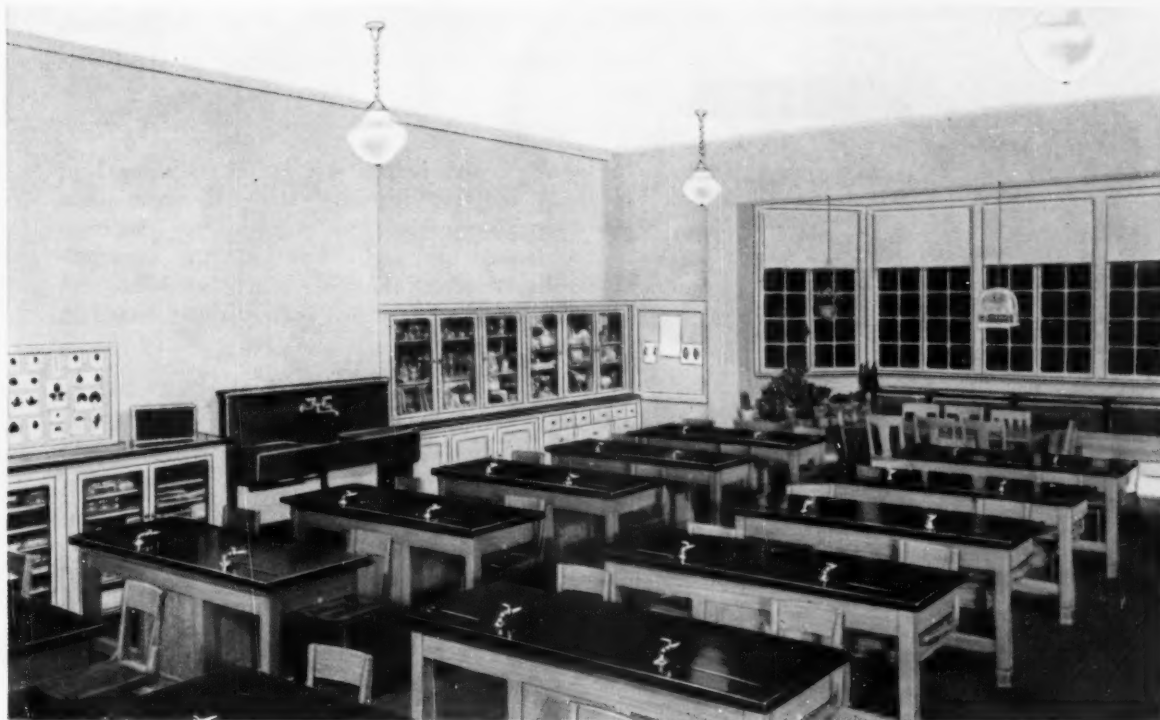
PAINTS • GLASS • CHEMICALS • BRUSHES

PITTSBURGH PLATE

IN CANADA: CANADIAN PITTSBURGH INDUSTRIES LIMITED

DYNAMICS®

of Elementary School Pupils and College Students



Color in school laboratories must be chosen with care to reduce possibility of color distortion that might be caused by light reflected from colored surfaces.

dividually treated. Some are painted bright to improve lighting. Others are decorated in muted tones to subdue dazzling sunlight. Some rooms, especially those used by younger children, are painted in bright colors to increase interest and attention. Still others that are used by older students require pastel shades and soft harmonies to provide a calming influence.

By such purposeful use of color you provide your student body with surroundings that lessen eye strain and stimulate concentration at the same time that they are made to feel more pleasant and cheerful.

Why not discover for yourself how Pittsburgh's system of COLOR DYNAMICS can give your school a completely new look that improves both work and study habits?

PAINTS

PLASTICS • FIBER GLASS

GLASS COMPANY

Let Us Make a FREE Engineered Color Study of Your School

● We'll be glad to send you our profusely illustrated book containing scores of suggestions how to use COLOR DYNAMICS in school painting. Better still, we'll be glad to submit an engineered color study of your school or any part of it, without cost or obligation. Call your nearest Pittsburgh Plate Glass Company branch and arrange to have one of our representatives see you at your convenience. Or mail this coupon.



Pittsburgh Plate Glass Co.,
Paint Division, Department SE-55, Pittsburgh 22, Pa.

☐ Please send me a FREE copy of your booklet "Color Dynamics for Grade Schools, High Schools and Colleges."
☐ Please have representative call for Color Dynamics Survey without obligation on our part.

Name _____
Street _____
City _____
County _____ State _____

New -

REVOLUTIONARY SlatoSteel CHALKBOARD**BECKLEY-CARDY**

Perfect writing
surface without
glare or reflection

Uses regular chalk

Erases clean.
Renewed with a
damp cloth

Can "double" as
bulletin

Fire resistant

Here's a revolutionary new kind of chalkboard.
Tougher than porcelain — rugged as steel can
make it.

SlatoSteel also brings the added advantages of
"touch and feel" learning to the classroom when
used with magnetized letters and figures. The mag-
netic feature also facilitates posting, as on a bul-
letin board. Check the other advantages below and
you'll see why SlatoSteel is a superior board in
every way.

- **SMOOTHER WRITING.** Chemically prepared silicate coating on substantial steel means a chalkboard that's easy to write on, easy to clean.
- **EASIER TO SEE.** The Litegreen color is permanent with a reflectance factor controlled to not over 20%. Writing shows up clearly, erases easily.
- **MORE DURABLE.** SlatoSteel has a patented "Porcenell" coating that produces a velvety, flint-hard surface. A special adhesive provides an absolute bond between the steel and the 1/4 inch Presdwood backing sheet.
- **LESS EXPENSIVE.** Because "Porcenell" requires only a 22 gauge steel base, it weighs only 2 1/2 lbs. per square foot. You save on transportation as well as installation costs.
- **EASY TO INSTALL.** SlatoSteel saves money on installation for it needs no expensive special grounds or wall construction. It can be sawed and drilled on the job, so can be put up by a workman with ordinary tools.



- **SEE FOR YOURSELF** how SlatoSteel will meet your needs best. Write for a testing sample and complete details.

**Beckley-
Cardy**

BECKLEY-CARDY COMPANY
1900 N. NARRAGANSETT

Manufacturers
CHICAGO 39, ILL.

What our school needs is a freezer!



Chart used to teach food freezing

That's what you'd expect students to say if your school's home economics teachers merely *told* them how to use a food freezer, without an actual demonstration. You need actual freezers in the laboratory to give students practical experience with this appliance. They need instruction not only in the latest freezing methods, but about the time and money that can be saved—through safe storage of commercially frozen foods, as well as on shopping, meal preparation and serving. The need is there because six million homes now have food freezers, and

the total is growing by nearly a million a year.

For visual aid in her classes, the teacher also needs the Freezer Teaching Kit, of which 30,000 sets have now been distributed. Home economics teachers everywhere are using this modern teaching aid. But practically all of them will tell you that . . .

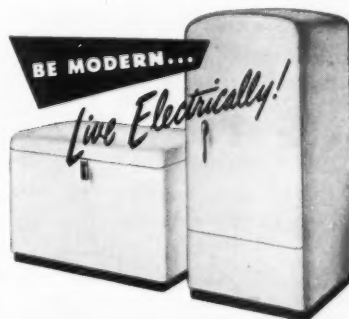
You need freezers to teach food freezing. Freezers are moderate in cost, and do not need special wiring. If your school doesn't have modern home freezers, your local electric light and power company, or electric appliance dealer will tell you how easy it is to obtain and install them.

If your school does not have the **FREEZER TEACHING KIT...**

This FREE Kit provides visual aid for home economics teachers, to simplify freezer instruction in the classroom. It consists of 12 beautiful, full-color wall charts and Home Freezer Teaching Guide. Be sure each of your schools has a Kit. Send for it yourself and present it to the home economics teacher.

FARM & HOME FREEZER SECTION
National Electrical Manufacturers Association
155 East 44th Street, New York 17, N. Y.

ADMIRAL • BENDIX • CROSLY
FRIGIDAIRE • GENERAL ELECTRIC
HOTPOINT • INTERNATIONAL HARVESTER
KELVINATOR • NORGE • PHILCO
QUICFREZ • SEEGER • WESTINGHOUSE



FARM & HOME FREEZER SECTION
National Electrical Manufacturers Association
155 East 44th Street, Dept. SE-5-55
New York 17, N. Y.

Please send me, absolutely FREE, the NEMA Freezer Teaching Kit.

Your name and title.....

Address.....

City..... Zone..... State.....



Get homemaking teachers off the **OLD EQUIPMENT** **MERRY-GO-ROUND!**

Westinghouse School Plan provides up-to-the-minute appliances . . . gives new "lift" to homemaking subjects . . . makes it possible to re-equip a whole home ec laboratory on a very small budget.

Enthusiasm of students—and teachers—soars when lessons have the advantage of new, up-to-the-minute appliances in classroom sessions. You can step up interest in your homemaking program by taking advantage of the Westinghouse School Plan.

Here's how it works

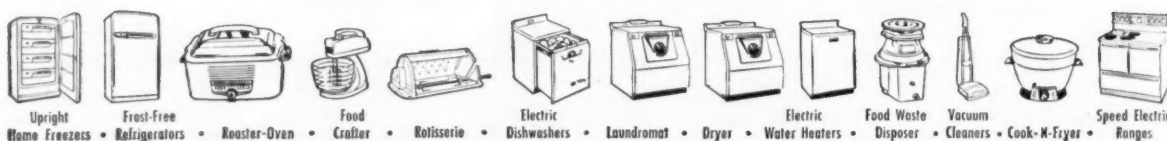
1. Schools buy new Westinghouse Appliances at about $\frac{1}{2}$ retail cost . . . 1 appliance or as many as you need.
2. Appliances are replaced with new models each year at no further cost . . . and no-charge replacements continue as long as you wish.
3. Yearly replacements practically eliminate maintenance expense.
4. Steady progress can be made on small budgets because, year after year, *all* funds can be used to install additional new appliances. In a surprisingly short time your whole home ec laboratory will be completely equipped with the very newest appliances. Teachers and students will both love it!
5. Helpful teaching aids are supplied without charge.

Free folder gives complete details

Order copies for yourself and others concerned with the purchase of teaching equipment. Offer limited to continental U.S.A. write to:

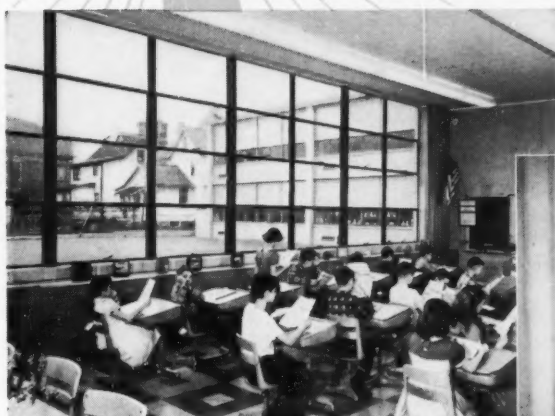
Westinghouse Electric Corp.
Electric Appliance Division
Consumer Service Department SE-555
Mansfield, Ohio

YOU CAN BE SURE...IF IT'S Westinghouse



How to get maximum light control...
with minimum maintenance!

Darkening Draperies OF Firestone Velon®



Draperies of Firestone Velon are shown open, permitting light to flow through the windows in this Dueber School classroom.



Closed, draperies of Firestone Velon prove ideal for blocking out light.

In the modern Dueber School of Canton, Ohio, a number of classrooms boast an entire wall-of-windows for maximum light and air. Yet, when movies or slides are shown, students needn't stir from their desks! Thanks to pull draperies of Firestone Velon, light can be shut out completely, at minimum cost.

Here's why Velon... the attractive, superior plastic... gives more modern advantages than any type of material ever used before:

- Light can be controlled to desired degree through pattern and color choice. Varying degrees of opacity available, suitable for classroom or stage.
- Fade-resistant. Waterproof!
- Fire-resistant. Approved for use in public assembly by authorities such as the New York Fire Board.

- Easy to maintain. Unlike old fashioned dust-catchers, Velon needn't be dry cleaned and stored during the summer. A soapy cloth wipes away spots.

- Durable. Gives long, faithful service under normal conditions.

- Economical—costs less than venetian blinds, many conventional fabrics. Needs no hemming, lining, costly built-in fixtures.

- Attractive decorator colors and patterns. Smart, fabric-like textures.

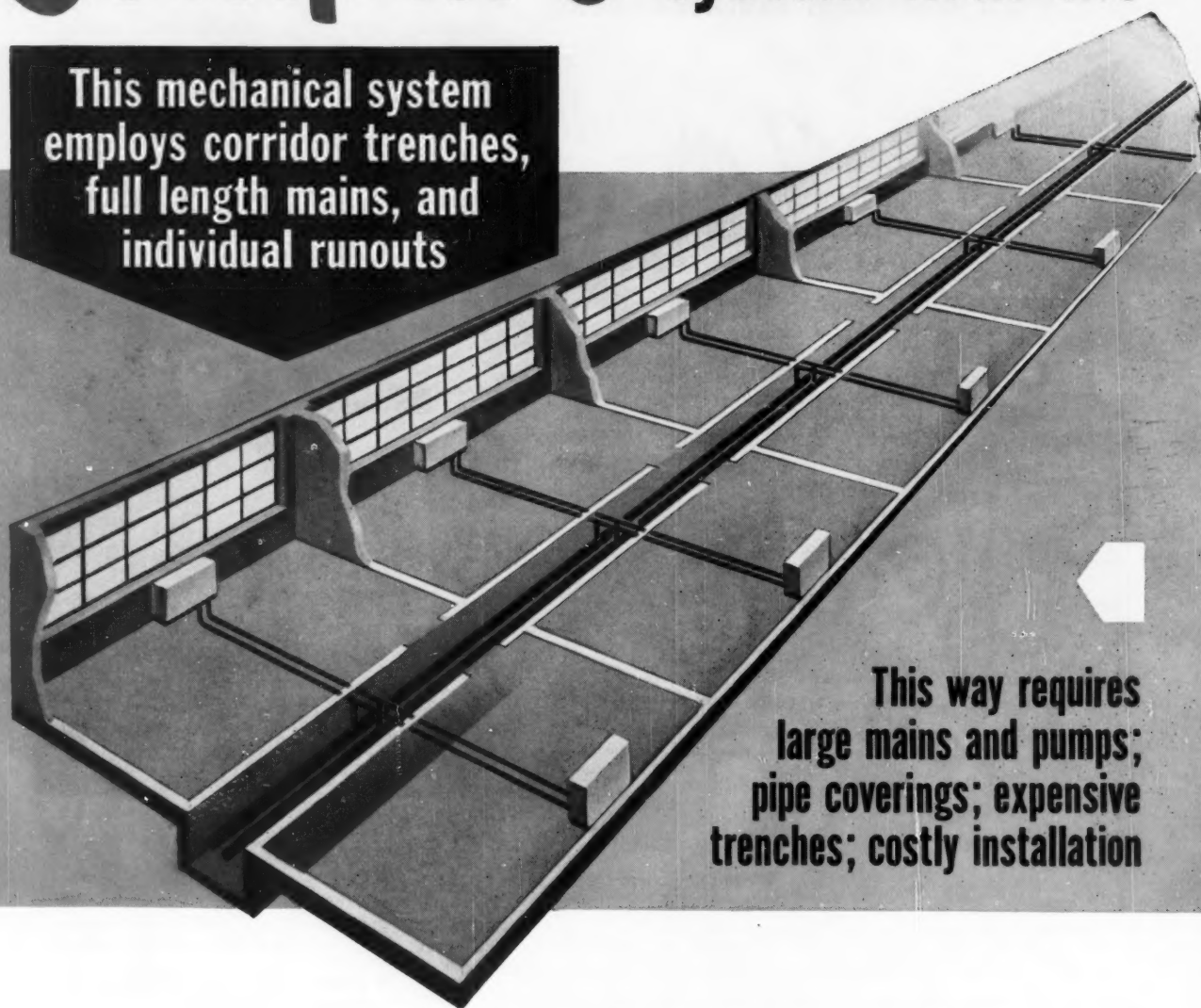
If you are considering replacement of outmoded materials, or are about to install draperies in a new school, you'll find it pays to specify Firestone Velon. Ask your stage drapery and equipment supplier, or write to Firestone Plastics Company, Flex Division, Pottstown, Pa., for full information.



Firestone does not make draperies or curtains...only the Velon material itself.
Printed in U.S.A.

Compare this conventional system with the

This mechanical system employs corridor trenches, full length mains, and individual runouts



This way requires large mains and pumps; pipe coverings; expensive trenches; costly installation

It will pay you to study the comparisons on these two pages to see how this latest Nesbitt development is particularly designed to meet today's thermal comfort needs and to give you more for the school-building dollar.

For forced hot water, Nesbitt Syncretizer heating and ventilating units with Wind-o-line radiation may be installed in series-loop circuits, in which the copper tubing of the Wind-o-line system serves as the only required supply and return piping for multiple-classroom groupings or for entire wings of the building.

This Latest Advance...

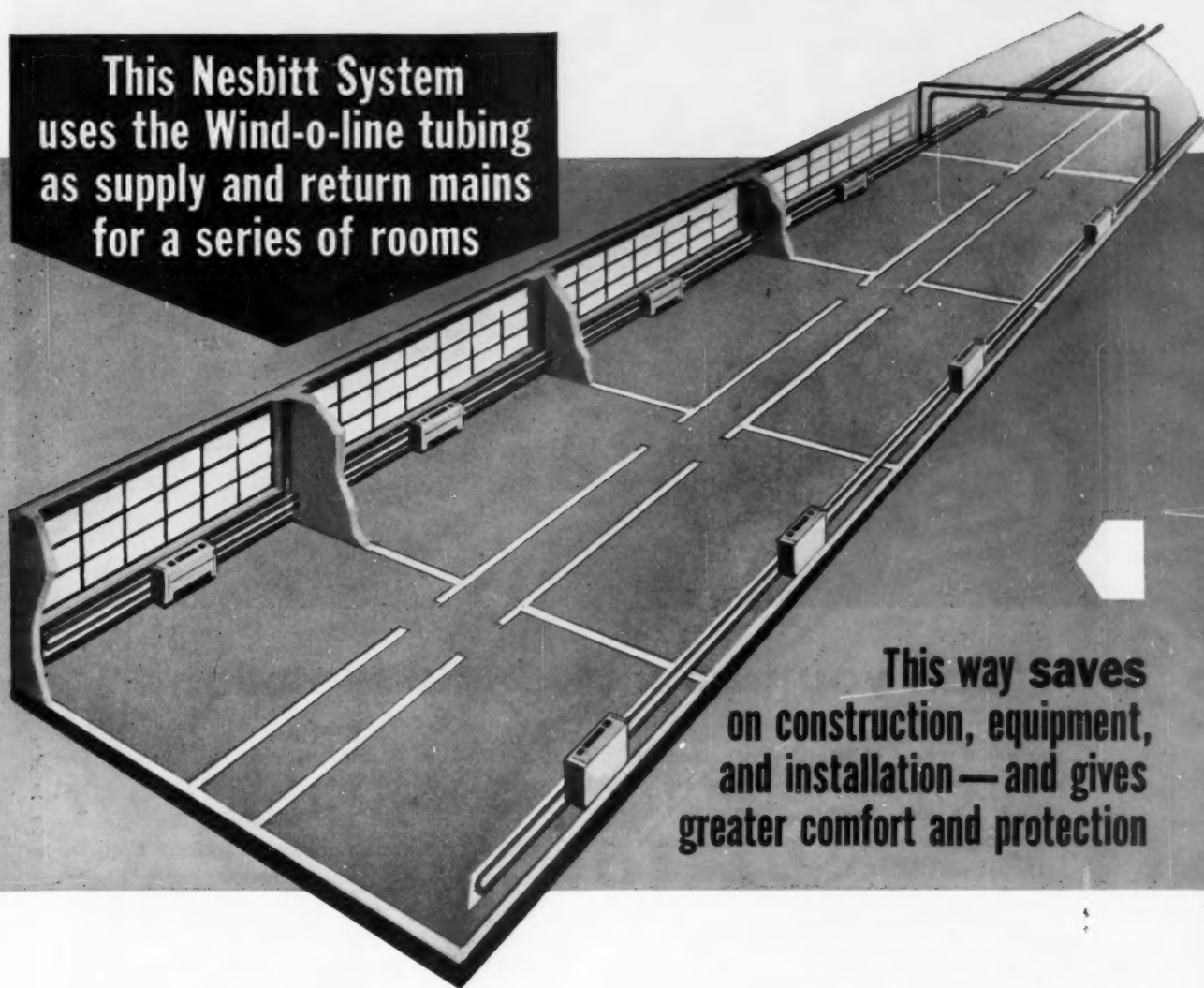
COSTS REDUCED *Savings in equipment:* Smaller pipes and pumps are required because the Nesbitt System is designed to provide the needed heating capacity with water quantities of from one-half to one-third those required in conventional systems. Saves on both first cost and operating cost.

Savings in construction: Wind-o-line supplies Syncretizers, eliminating costly pipe trenches, mains, runouts, and pipe covering in much of the building. Other piping is simplified.

Savings in installation: Mains and piping are smaller, shorter, simpler. Packaged piping within the Syncretizer unit ventilator materially reduces installation labor at the site.

Nesbitt Series Hot Water WIND-O-LINE SYSTEM

This Nesbitt System
uses the Wind-o-line tubing
as supply and return mains
for a series of rooms



This way saves
on construction, equipment,
and installation—and gives
greater comfort and protection

REDUCES mechanical system costs...
INCREASES comfort and protection

COMFORT INCREASED *Variable water temperature control:* Relating the available heat directly to outdoor temperatures improves individual room control by the Syncretizer.

Improved cold surface protection: Because system water temperature increases as outside temperature falls, Wind-o-line protection against cold window downdraft and bodily heat loss is continuously related to actual needs.

Off-time temperature maintenance: Without other investment in equipment, this system maintains safe basic building temperatures during overnight, holiday and week-end shutdowns.

Nesbitt

HEATING AND VENTILATING EQUIPMENT

Made and sold by John J. Nesbitt, Inc., Philadelphia 36, Pa.
Sold also by American Blower Corporation

WRITE TODAY FOR NESBITT PUBLICATION 104



"Can you transcribe this dictation?"

She was a recent secretarial school graduate. This job interview meant a lot to her—because she'd heard so many fine things about this progressive firm. The pay was tops, and she liked the man who'd be her boss.

He was interviewing her now. "Have you had experience with the Dictaphone TIME-MASTER dictating machine?" He held up a red plastic *Dictabelt* record. "I'd be lost without it."

"Yes," she assured him. "I took the Dictaphone Business Practice Course in school." And she showed

him the Dictaphone Certificate of Proficiency she had earned.

She got the job. Now she's moving forward with a progressive boss in a progressive business. Using the modern Dictaphone method, both she and her boss get more done, faster and more easily than they could with old-fashioned methods.

To help your graduates meet the increasing demand for TIME-MASTER trained secretaries, you will be interested in the Dictaphone *School Rental at Cost Plan*.



Dictaphone TIME-MASTER
TRANSCRIBING MACHINE

Dictaphone, TIME-MASTER and Dictabelt are registered trade-marks of Dictaphone Corporation

Write for full details to Dictaphone Corporation, Educational Division, Dept. SE-55, 420 Lexington Avenue, New York 17, N. Y.

DICTAPHONE
CORPORATION

THE SCHOOL EXECUTIVE

SE-323

As an administrator or school official, when you buy seating you usually look for these 5 things: quality construction, economy, durability, easy maintenance and attractive appearance.

WESTMORELAND has all these, and more . . . for SCHOLAR-LINE tubular seating is posture engineered for maximum comfort, and PROPORTION SCALED. By this we mean that a size variation is not achieved by the simple device of cutting or extending legs. Instead, each piece is accurately scaled to the proportion average of the age group for which it is made.

WESTMORELAND seating is manufactured to precision standards by craftsmen who have devoted their lives to producing tubular products of unsurpassed quality. So remember, for a sure way to complete seating satisfaction, specify WESTMORELAND by name, every time.

**a complete line
of distinguished
tubular
furniture by**

Westmoreland School Seating



WESTMORELAND selected hard maple and plywood seats and tops are finished with famous CELSYN tough, scratch resistant wood finish. Metal Parts may be Taupe, Turquoise, Coral, Blue, or Polished Chrome Finish.

NO. 102 CHAIR

NO. 152L
LIFT-LID DESK



WESTMORELAND *Seating*
DIVISION OF WESTMORELAND METAL MFG. CO.

MILNOR STREET AND BLEIGH AVE., PHILADELPHIA 35, PA.



Better than ever for them

... better than ever for YOU!

Announcing... all-new Dodge school buses —new safety, power, and handling ease

New Dodge "Job-Rated" School Bus Chassis provide the safest, most dependable school transportation you can buy!*

New features everywhere meet your needs more fully. Improved duplex brakes, for instance, assure safer, more positive stopping action, whether the bus is moving forward or in reverse! New heavier frames of increased strength and capacity mean added protection for passengers.

New Dodge School Buses are safety-powered, too, with great new Power-Dome V-8 engines and famous sixes that can be depended upon to *get you through*, under any conditions. Ranging from

110 hp. to 193 hp., these engines are "Job-Rated" to meet your requirements for economy, as well as power.



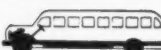


New refinements in steering, coupled with the *shortest turning diameters* of all leading comparable school bus chassis, make maneuvering easier, traveling safer!

You'll find that there are dozens of reasons why a Dodge "Job-Rated" School Bus Chassis will better serve both you and your pupils. The man to see is your friendly Dodge dealer. He is always ready to assist you in selecting the *one best answer* to your transportation needs.

*Dodge School Bus Chassis and equipment meet or exceed all safety standards recommended by the National Conference on School Bus Standards.

DODGE "Job-Rated" School Bus Chassis

School Bus Chassis for Bodies Accommodating 30, 36, 48, 54, and 60 Passengers

 <p>MODEL FS8, FS8-193" WB 10,500 and 12,000 lbs. G.V.W. For 30 and 36 pupils.</p>	 <p>MODEL HS8, HS8-193" WB 14,500 and 16,000 lbs. G.V.W. For 48 pupils.</p>	 <p>MODEL HS8, HS8-217" WB 14,500 and 17,000 lbs. G.V.W. For 54 pupils.</p>	 <p>MODEL JS8, JS8-217" WB 17,500 lbs. G.V.W. For 54 pupils.</p>	 <p>MODEL KS8-239" WB 17,500 and 21,000 lbs. G.V.W. For 60 pupils.</p>
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The *All-New* DELTA
14" Drill Press

Floor Model

Bench Model

Multiple Spindle Set-ups

The world's most widely used
industrial drill press line
now finer than ever!

New in everything but price!

New IN SAFETY: Many new safety features such as fully enclosed spindle that has *side opening* for easy changeover, enclosed belt and pulley guard, safety-recessed push button starter up front available as an accessory make the new Delta 14" drill press safer than ever for student use.

New IN CONVENIENCE: Quick-set depth gage for faster, more accurate depth of penetration readings . . . Self-locking Depth Stop with micrometer settings calibrated in steps of .002" . . . Tilting Table with positive stops and calibrated scale . . . those are just a few of the new features which make it so easy to do precision work on the new Delta 14" drill press.

New IN VERSATILITY: You can teach countless operations on the new 14" Delta—drilling, counter-boring, tapping, routing, shaping and dozens of other jobs. You can use it on wood, metal, plastics. In fact, you'll find the new Delta 14" Drill Press one of the most useful and versatile teaching aids in your shop.

Remember, ALL Delta Tools PROVIDE DOUBLY-VALUABLE TRAINING because they are the SAME tools with which many of your students will earn their living after leaving school!

See It Now! There's so much that's new and better about the new Delta 14" Drill Press that you've got to see it to appreciate it. Call your Delta Dealer for a demonstration (he's listed in the classified pages of your phone book under "TOOLS" or "MACHINERY") or send the coupon.

DELTA QUALITY POWER TOOLS
Another Product by **ROCKWELL**



DELTA QUALITY COSTS NO MORE

May, 1955

Delta Power Tool Div., Rockwell Manufacturing Co.
430-E N. Lexington Ave., Pittsburgh 8, Pa.

- ☐ Please send me the name of the nearest Delta Dealer who has the new 14" Delta Drill Press on display.
- ☐ Please send me complete catalog information on new Delta 14" Drill Press.

Name _____ Title _____
School _____
Address _____
City _____ County _____ State _____

NOW! LONGER FLOOR WEAR GUARANTEED BY NEW

Traffic Proof Beauty...Long-Lasting Protection For All Types of Floors and Furniture

Now the "Simoniz Secret" that produced the world's most famous beauty and protection for cars... the "Simoniz Secret" that's been put into over 130 million cans of floor wax for homes... all this Simoniz "know how" has been put into products of exceptional formula balance specifically for commercial maintenance of floors and furniture.

They promise "Longer Wear with Less Care" and are backed by over 40 years of Simoniz research.

Convince yourself! Order today through your local Simoniz distributor on a "better performance or your money back" guarantee. Use coupon below for additional information and location of nearest distributor of Simoniz Commercial Products.

THE "SIMONIZ SECRET" IS IN THEM ALL
...THE SECRET OF LONGER WEAR
WITH LESS CARE



COMMERCIAL
HEAVY DUTY
FLOOR WAX
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COMMERCIAL
NON-SCUFF
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COMMERCIAL
FLOOR
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COMMERCIAL
PASTE
FLOOR WAX

Sold Nationally through SIMONIZ Distributors

WITH LESS CARE! SIMONIZ BULK LINE

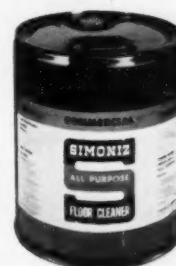
Manufactured by SIMONIZ for Commercial...
Institutional... Industrial Maintenance

FOR TOUGHEST TRAFFIC AREAS. Self-polishing, buffable for asphalt, rubber, vinyl, cork, linoleum, and other floors. Automatic high-gloss beauty. Safety approved by Underwriters Laboratory. Pure wax finish resists dirt, wear and water, yet strips easily when required. **Simoniz Commercial Heavy Duty Floor Wax**—1, 5, 30, 55 gal. sizes.



SELF-POLISHING, NON-BUFFING. A hard finish product for floors where buffing maintenance is not available or desired. Wax base fortified with Simolite®—Simoniz' exclusive brand of composite cera-resin. UL approved anti-slip. Gives beauty, safety, protection. **Simoniz Commercial Non-Scuff Floor Wax**—1, 5, 30, 55 gal. sizes.

BRIGHTENS FLOORS AS IT CLEANS. This new liquid concentrate has a neutral mild sudsing balance of soap and synthetic detergents. All-purpose. Completely safe. Used in graded solution for light or heavy floor cleaning—wax stripping—routine maintenance cleaning. Cleans by saturation without scrubbing. **Simoniz Commercial Floor Cleaner Concentrate**—1, 5, 30, 55 gal. sizes.



HEAVY DUTY CLEANING AND POLISHING PASTE. For finished wood, linoleum, cork, cement, terrazzo, magnesite floors. Protects with durable, high lustre. Pure wax finish. Solvent type. UL approved anti-slip. **Simoniz "AAA" Commercial Paste**—available in 5-lb. cans.

WAXY-RICH SPEED TYPE FURNITURE POLISH. With **Commercial HiLite** you wipe on a long-lasting, crystal-hard, crystal-bright shine without rubbing. Two colors—Dark for Mahogany-Oak-Walnut... Light for Maple-Pine-Blond. HiLite "heals" and covers surface scratches, water marks and other exposed blemishes. Available quart sizes.



DARK **LIGHT**

MAIL THIS COUPON TODAY

Simoniz Company (Commercial Division—K4)
2100 Indiana Avenue, Chicago 16, Illinois

Gentlemen:

- ☐ Please send name of nearest Simoniz distributor.
☐ Without obligation, please send details of your Commercial Products for floor and furniture maintenance.

Name _____

Firm Name _____

My Title _____

Street Address _____

City _____ State _____

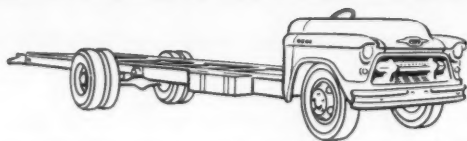
Simoniz Company
(Commercial Products Division)
Chicago 16, Illinois

The most modern answer
to school transportation needs

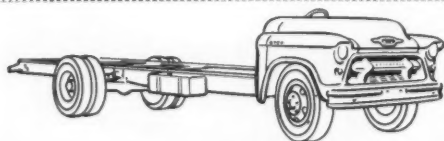
NEW CHEVROLET



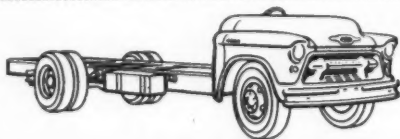
NEW MODELS:



6802 — 220-inch wheelbase chassis. For school bus bodies of 54-pupil capacity. (Will accommodate 60 pupils with 24-inch seat spacing.)



6702 — 194-inch wheelbase chassis. For school bus bodies of 42- to 48-pupil capacity.



4502 — 154-inch wheelbase chassis. For school bus bodies of 30- to 36-pupil capacity.

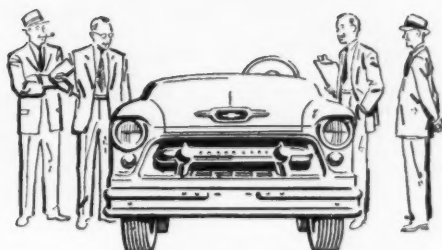
SCHOOL BUS CHASSIS

■ From America's leading truck manufacturer comes the school bus chassis with the most modern engineering advances ever introduced. Three completely new models, a fresh, functional styling treatment, and new features that mean even greater safety and stamina, more economy and dependability! Better weight distribution has been engineered into

every model. Maneuverability is increased. And new dimensions comply with the most recent National Minimum School Bus Standards. Your Chevrolet dealer will be glad to supply complete specifications. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.



NEW FEATURES:



New Styling

Fresh, functional styling that makes these new Chevrolet school bus chassis stand out as the most modern looking on the road.

New Engines

All three new high-compression engines feature a new 12-volt electrical system! That means faster, surer starting, even on cold mornings, and increased generator capacity to handle extra school bus lights and safety equipment.

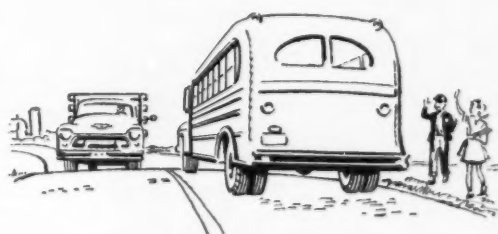
New Frames

All models now have standard-width frames with full-length parallel side members. They're more rigid, more durable! That means extra protection for school children passengers.



Power Steering

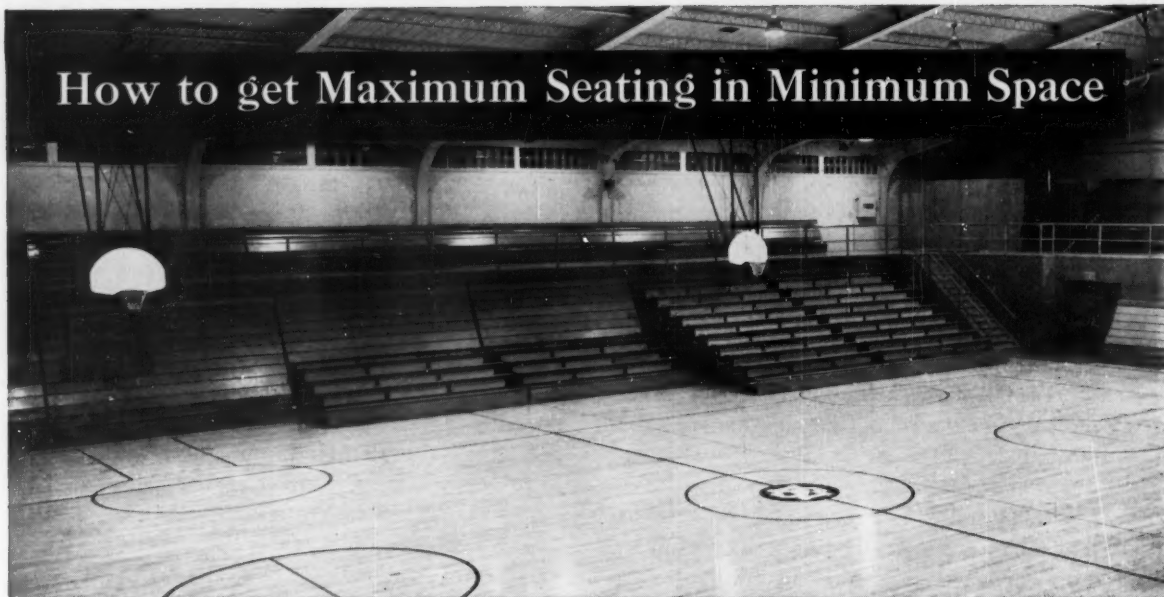
The going's easier and safer with Power Steering — cuts turning effort up to 80 per cent; helps keep you "on course" in spite of severe road shocks. Optional at extra cost on all models.



Power Brakes

Another power helper designed to increase driving safety and reduce driving effort. You stop with up to one-third less pedal pressure! Power Brakes are standard equipment on 6802 and 6702 models; optional at extra cost on model 4502.

How to get Maximum Seating in Minimum Space



...*plus* MAXIMUM SPECTATOR COMFORT

Just ask for a seat demonstration of *Universal Roll-A-Way* Stands. Then you'll see and appreciate what we mean by maximum spectator comfort... in minimum space.

Notice the spectator's natural, comfortable position while seated. Make all the tests you wish, with feet forward or drawn back under the seats. Get out the slide rule and compute the actual area (or we'll do it for you). Compare design, construction, dimensions, and you'll find that...



Universal Roll-A-Way Stands

provide more cubic inches of comfortable leg room below seat board levels than any other stands . . . with either 22" or 24" row spacing.

The extra distance from seat board to foot board (18½") and the position of the vertical filler or riser board (centered under seat) assure maximum space per spectator... permitting normal position of feet drawn back under seats. Compare this with other stands which have 2" or 3" less space and vertical filler boards flush with seat fronts. Write today for free catalog.

Universal Bleacher Company

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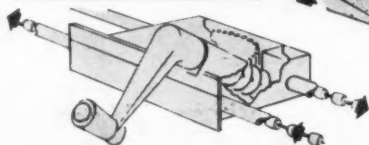
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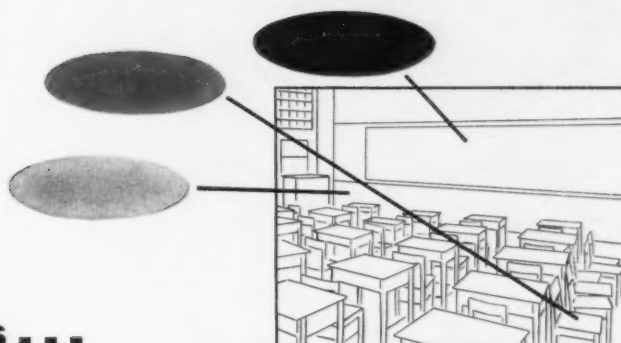
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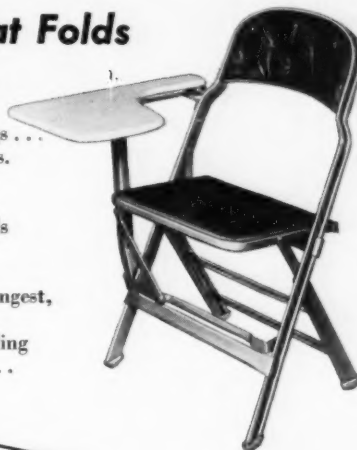
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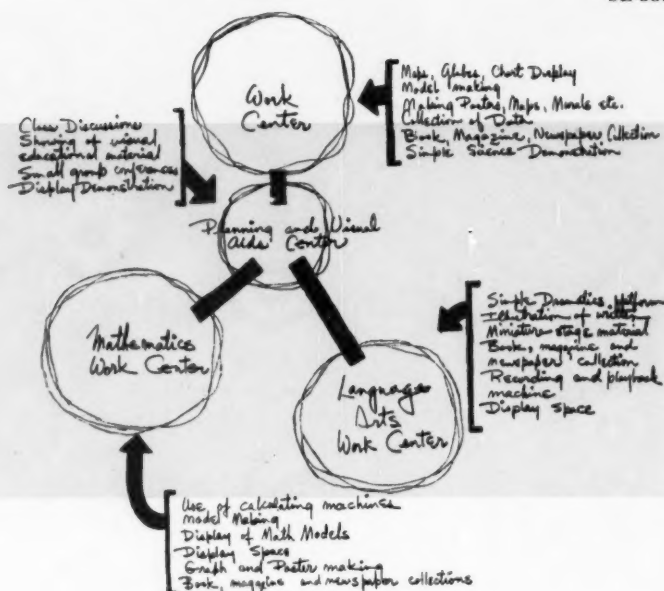
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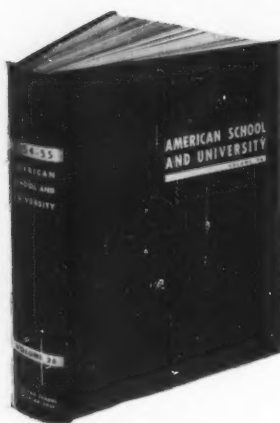
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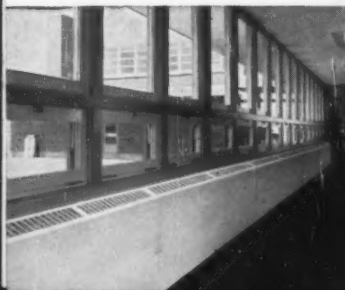
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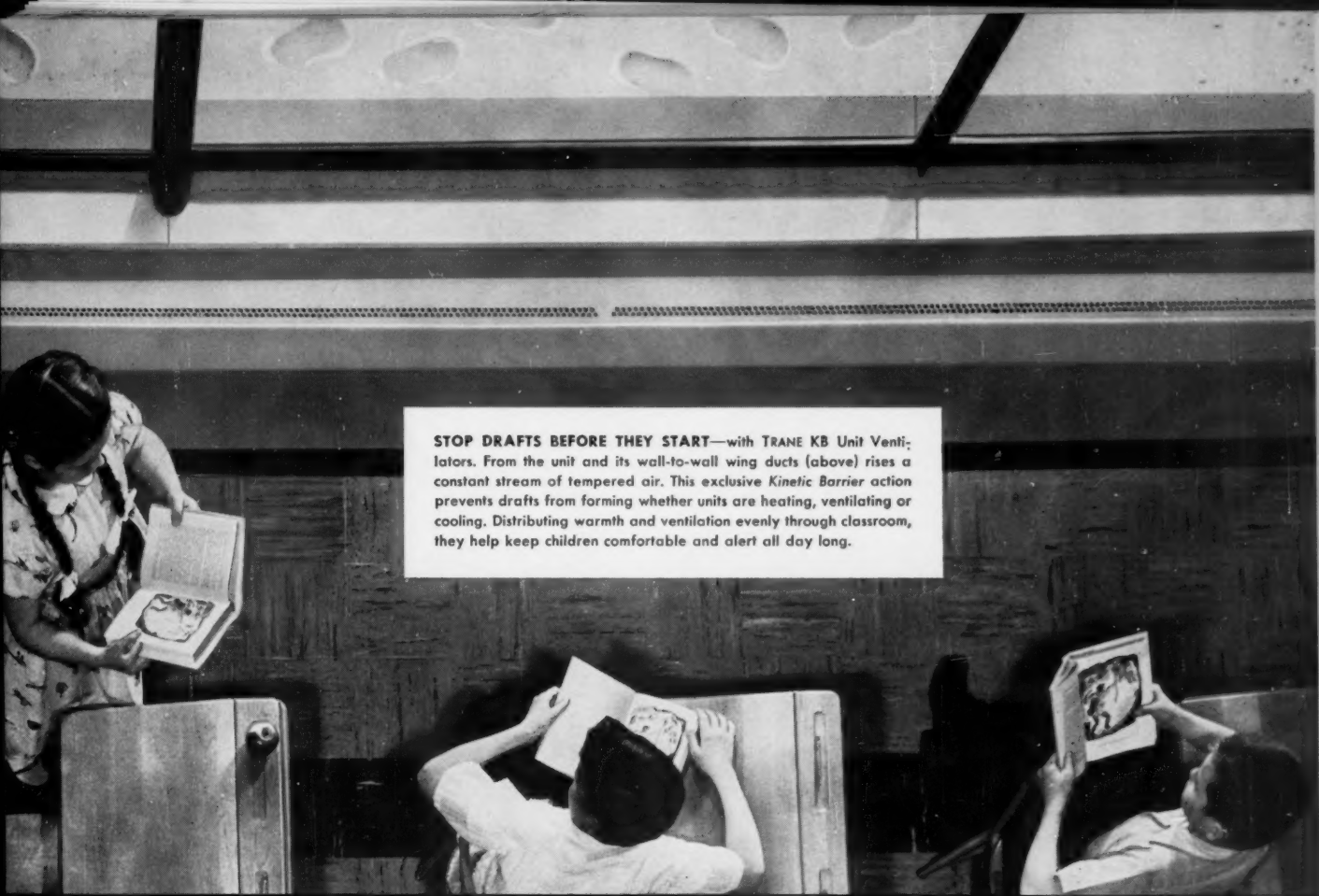


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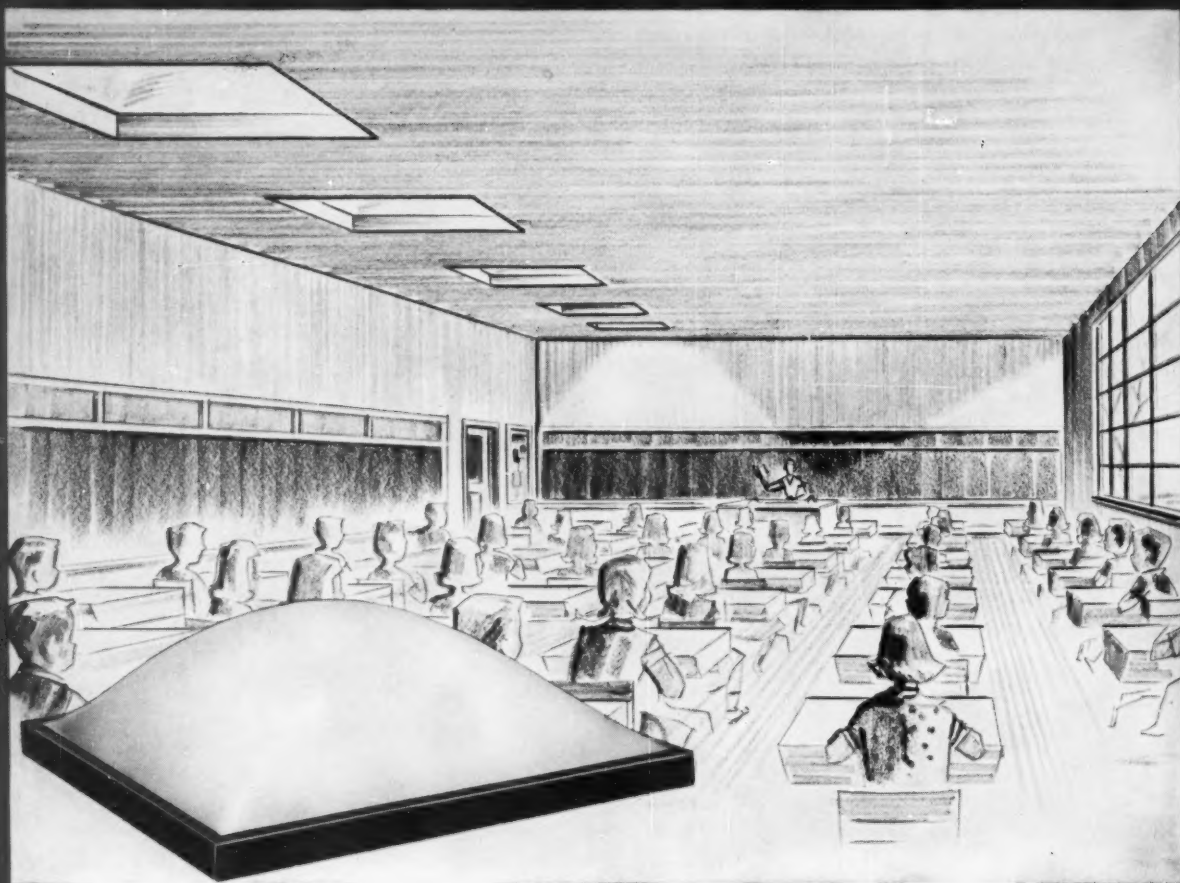


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Should we abolish the 7th and 8th grades?

*By reducing elementary school from eight to six years we
could add two years of college to the twelve-year program*

by CHARLES H. SCHUTTER

THE EIGHT-YEAR elementary school was established in this country about 75 years ago as a complete educational program for the average child of that distant era, when very few students advanced to a higher school.

It was not designed to be a stepping stone to a higher school, which is the rôle it plays today, when practically every student goes on to high school.

Since the elementary school is no longer a terminal school for our students, it should be reorganized as a preparatory school. The elementary



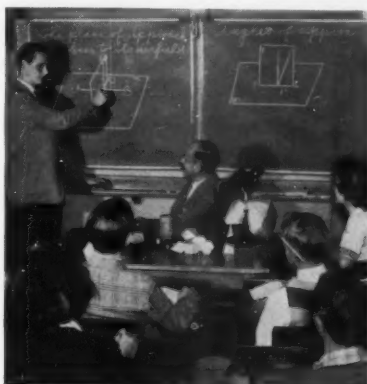
With the elementary program condensed from eight to six years . . .

school program should be condensed into six years.

The present curriculum for the seventh and eighth grades consists mainly of reviews of the work of the preceding grades, or an introduction to subjects which will be taken up in

high school. For example some of the rudiments of geometry are presented in the seventh grade, and some algebra is introduced in the eighth grade, but both of these subjects must be started again and taught systematically in the high school. The same is true with other seventh and eighth grade subjects.

Much of the repetition and review



. . . pupils could enter high school at age 12, graduate at age 16 . . .

work of the upper grades could well be omitted. It might have been necessary to spend eight years on elementary education in 1880, when the attendance per enrolled student averaged only 81 days a year, but it is wasteful nowadays when the student attends for 151 days.

The accompanying charts indicate how the present eight-year curriculum for elementary education could be modified and condensed into six years, in two subject areas—arithmetic and science—which serve as samples of the entire condensation project.

For many years, European coun-



. . . and have two years of college before completing school at 18.

tries and some of the more progressive nations in Latin America have operated six-year elementary schools for the students intending to continue their education on the secondary level. In the United States, many school systems have established junior high schools, usually with three-year programs, to follow the first six years of elementary training.

Junior highs give 7th, 8th grade work

However, these junior high schools usually give seventh and eighth grade work during the first two years, modifying the presentation of this work by departmentalization to accustom the students gradually to high school procedures. Only in the last

Mr. Schutter is principal of the Delano Elementary School in Chicago.

year of their programs—the ninth school year—do they begin regular high school work. What we need is a complete revamping of the elementary school program.

As the school terms have increased in length, subject matter has been spread thinner and thinner with much over-simplification and boring repetition. Teachers of 2-A classes have sought more and more easy supplementary readers to give to their pupils when the prescribed work for that grade has been finished.

Arithmetic book has too many dozens

In an arithmetic book for the third grade we find the statement that there are twelve things in a dozen—a few pages farther on comes this question: "Is a dozen more than 9 or less than 9?"

A book designed to acquaint fourth or fifth grade students with library usage goes so far as to tell pupils how to put away a book on a shelf. Browsing in the library is part of the curriculum. Further, many so-called enrichments of the modern curriculum—socialization, club activities, creative and artistic projects are acquired by the child during recreational hours outside of school.

Condensing program enriches education

Condensing the eight-year program of elementary education into six years would provide time and opportunity for some real and great enrichments in education for all students. The average child could thereby enter the regular four-year high school when he is twelve years of age. Following the regular program as is generally done, he would be graduated from high school at about the age of sixteen. Then he could enter college and obtain two years of liberal education by the time he reached the age of eighteen, whereas now he is merely graduating from high school at that age.

These two years of college would be of much greater advantage than spending two years beyond the age of twelve doing elementary school work, as at present. Two years of college work would fill the educa-

tional needs of the majority of American youth, practically all of whom would have the opportunity of going to college under this plan.

Same cost, but pupils get two college years

Since these two years of college work would occupy the eleventh and twelfth years of the student's school career, school systems would not have to spend much, if any, more money for public education than they do now. The present two-year junior colleges maintained by many school systems for students in the thirteenth and fourteenth school years could be transformed into the standard type of four-year colleges awarding regular bachelor's degrees.

Private and state colleges and universities would no doubt have greater attraction for many of the sixteen-year-olds upon their graduation from high school than would the local colleges, just as they have in the past. It would require the combined facilities of private colleges and public local colleges to accommodate the greatly increased number of students who would enter college under this plan.

By the age of eighteen, then, the typical student would have received a liberal education with two years of college training. The young men would be ready to enter compulsory military service—which apparently will be a fixture in our social and political system for many years to come—with their formal education completed. Young women and young men exempted from service would be ready to start on a career or an occupation. Students planning a professional career in law, medicine, and similar fields would be able to gain two years of valuable time and begin their life work that much sooner.

Most high school grads would enter college

Under this enriched plan, practically all high school graduates would enter college, either in the local public school systems or in private colleges. Those students finishing a two-year program in their local college could transfer to a four-year private or state college as third-year students

and earn a standard bachelor's degree after two more years of work—as many graduates of our existing local junior colleges have been doing.

Within eight or ten years after the adoption of this plan, the college population in our country would consist mainly of students between the ages of sixteen and twenty. Parents of the sixteen or seventeen-year-old students could expect the colleges, especially those located away from the students' homes, to provide guidance and advisory services for youngsters.

Twelve-year olds can do high school work

Some doubts and questions may arise in connection with the plan proposed in this article. First, would the twelve-year-old student be able to do high school work? Let us consider one of the most difficult subjects studied in high school—algebra. Last spring I taught algebra to an average group of twelve-year-old students; they mastered the subject as well as any of my high school freshmen classes ever did.

In recent years the high school curriculum and high school textbooks have been simplified and made easier, as have those in the elementary schools; at present, the students are not challenged enough.

Neither are college subjects too difficult for the sixteen-year-old student. In teaching differential and integral calculus, I found that students had less difficulty in understanding what the theorems meant than in performing accurately the arithmetical and algebraic computations required for solving problems in these courses.

European students take math earlier

An American scholar who attended a recent mathematical conference in Europe reported that fifteen-year-old students taking mathematics in a school in Bremen were learning such topics as the differentiation of x^3 —a type of work which is usually encountered for the first time in American colleges by the nineteen- or twenty-year-old student. The average sixteen-year-old student can mas-

Arithmetic Under present 8-year program

8TH GRADE
Equations and Formulas—Some Algebra.
Percentage and Its Applications.
Square Root.
Scale Drawings, Measurement, Areas, Volumes.

7TH GRADE
Angles, Geometrical Constructions.
Percentage and Its Applications.
Perimeters, Areas.
Statistical Graphs.
Denominate Numbers.

6TH GRADE
Operations with Decimals.
Using Mixed Numbers.
Division with 2-Digit Divisors.
Fractions: the Four Fundamental Operations.

5TH GRADE
Multiplication with Three Successive Carrying.
Addition and Subtraction of Decimals.
Addition and Subtraction of Fractions with Like Denominators.
Division by 6, 7, 8 and 9.

4TH GRADE
Reading, Writing 4-Digit Numbers.
Addition, Subtraction up to two Successive Carrying and Borrowings.
Multiplication by 6, 7, 8, 9, 2-Digit Numbers.
Division by 4 and 5; with Remainders.
Measurement in Feet, Inches; Feet in Yards.

3RD GRADE
Multiplication by 4 and 5.
Even Division by 2 and 3.
Additions and Subtractions with 0.
More Difficult Addition and Subtraction Facts.
Addition of Three 1-Digit Numbers.

1ST AND 2ND GRADES
Meaning of Fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{3}{4}$, and $\frac{1}{5}$ of a single object.
Meaning of Ordinals 1st, 2nd,.....up to 31st.
The 100 Addition and Subtraction Facts with Sums and Minuends up to 10.
Counting by 2, 5, 10, and 100.
The 45 Easy Addition and Subtraction Facts.
Reading and Writing of Numbers up to 100.

Proposed 6-year elementary program



Science Under present 8-year program

8TH GRADE
The Universe; Stars, Planets, Satellites.
Plants, Animals, Earth's Resources.
Energy; Heat, Light, Electricity.
Natural wonders of North and South America.

7TH GRADE
Principles of Sound.
Trees—Size and Structure.
Food, Weather, Climate, Water, Atmosphere.
Man and his Environment.
Harmfulness of Narcotics and Stimulants.

6TH GRADE
Earth's Development; Rocks, Fossils.
Glacial action; Local Topography.
Living Things, Environment, Work, Machines.
Scientific hobbies; Specimens, Plants.

5TH GRADE
Trees—Size, Structure, and Use.
Aviation, Its Advantages and Conveniences.
Birds and Fish; How Fitted to Environments.
Work of the U. S. Weather Bureau.
Land and Water Provide Food and Lodging.

4TH GRADE
Insects and Spiders.
The Earth in Motion, Stars, Sun, Moon, Planets.
Animals; How Fitted for Environments.
Magnets—Interesting and Useful.
Nature Appreciation—Plants Beautify World.
Plant Changes in Autumn.

3RD GRADE
Plants, Animals Provide Man's Necessities.
Animal Protection—Defense Against Enemies.
Air, Use of; Wind as Air in Motion.
Valuable Uses of Machines.
Usefulness of Birds.

2ND GRADE
Trees, Domestic Animals, Plant Growth.
Health Essentials—Sleep, Food, Activity.
Appreciation of Flowers.

1ST GRADE
Identifying Fruits and Vegetables.
Pets, Treatment of, Birds of the Community.
Plants, Animals in Spring, Weather.
Trees, Animals, People Prepare for Winter.

How arithmetic and science subjects taught in 7th and 8th grades could be transferred to other terms, to condense program. Other subjects could be treated in similar fashion, eliminating two years in which curriculum is spread thin.

ter the modern college curriculum if he applies himself diligently.

Any minor or temporary disruptions to the existing high school, college or university procedures would be a very small price to pay for the enrichments possible with this plan, not merely for the small fraction of gifted students, but for the entire school population. Without doubt, much talent would be discovered, and given an opportunity to develop, among the youth who are at present

unable to receive higher education because of financial conditions.

The adoption of universal military training in our country is a turning point in our social and political life, a fact to which our educational system must adjust itself. At present, the period of military training either disrupts college work, or postpones it, or prevents it altogether for many of our young men. The proposed plan would lessen this difficulty in somewhat the same manner as have

systems of higher education in Europe, where compulsory military training has long been in existence.

Plan would alleviate elementary shortages

This is a most opportune time to make this change in our educational system. Both the teacher shortage and the building shortage in the field of elementary education could be greatly alleviated with this new plan. Many of our overcrowded elementary

school buildings would be adequate for the first six grades. At present, our high schools are not crowded and they could adjust their programs to take care of increased enrollments by establishing shifts or extending the school day.

Our colleges could take care of increased enrollments in the years ahead by using similar procedures; eventually, however, we would need more space and facilities for the increased college population. We would thus need new buildings for colleges rather than for elementary schools, except in newly-developed areas.

The shortage of teachers in the elementary schools would also be greatly relieved. Teachers presently serving in grades seven and eight, or in the first and second years of the junior high school, might be assigned to vacancies in the lower grades or in the regular four-year high school. The problem of obtaining high school and college teachers is not as difficult to solve as that of obtaining enough elementary school teachers, and it would be several years before the full effect of this plan would be felt.

During this period provision

could be made for the increased enrollments anticipated in the higher schools.

This plan should be put into effect throughout the entire United States, so that pupils moving from one part of the country to another could continue their school work without dislocations in grade placement. Our public school system would still be locally controlled and administered, as at present.

The adoption of this plan would certainly constitute the greatest advance of the century in American education.

An Open Letter

to the American Gas and Electric Company

Gentlemen:

In your full page advertisement on page 12E of the *New York Times* for September 19, 1954, you gave industry advice on "How to Pick Your Next Home Town." Your checklist of the important plant location factors included "access to markets, power, labor, water, living conditions, fuel, transportation, climate, access to seaports and lakeports, minerals, recreation forestry, distribution facilities, reasonable tax rates," and not one word about schools. How come? In the 2,300 communities which you indicate you serve, does the industrial management rate schools as unimportant in meeting the desires and needs of its personnel who have families? In fact, do you not agree with me that if the parents of the working personnel had the responsibility for community selection, they would place "educational advantages for children" among the top items on their checking list?

Among your 2,300 communities,

there are no doubt many where the schools are overcrowded, the teacher loads intolerable, the curriculum limited, the school sites inadequate and the school buildings in various stages of obsolescence. Do such factors as these not enter into your engineering advice on new plant location? In communities where enlightened educational policies prevail and school programs and plant meet modern standards, would not the families of your industrial clientele be happier and more content? Is not that management lacking in understanding and outlook when it ignores the influence of the schools in creating the desirable environmental conditions for industry's location?

Ad omits schools

If you had had two full pages for your advertisement, I am sure you would have included "schools" in your list. Like the millions of parents who seek good schools for their children, I, however, want "schools" stressed on the first page and pretty

close to the top of selecting factors.

Your advertisement states, among other things, "All we have to sell is power." You probably do not mean that. You will admit that as you sell power (and may your output increase as you desire), there are other products. These are not just by-products either. The transfer or establishment of industry in communities where American boys and girls can enjoy superior educational advantages means you are selling America itself, its hope and its promises to our youth.

Education is important

Please place "schools" among the important items of your checklist for that is where they belong.

With full confidence in American industry and in American schools, in their joint task of maintaining American world leadership, I am

Sincerely yours,

N. L. ENGELHARDT, Sr.

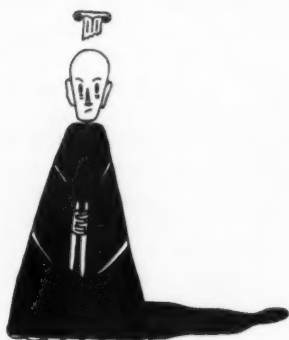
Engelhardt, Engelhardt and Leggett, educational consultants.

Six Types of Administrator

*Drawn
and
quartered
by
Matthew
Baranski*



1. Benevolent despot: a common, garden variety



3. Classicist: present is bad, future unredeemable



5. The oiler: a smoothie whose job is public relations, not education



6. Mr. Fix-it, for whom a patch-up job will do



2. The "tell them, don't ask them" type



4. The puppeteer, who is a master at pulling strings, handling people



7. Open: for him aspiring to democratic leadership

In Loco Parentis . . .

the phrase used by courts to define the legal relationship between pupils and educators can be used both for and against the schoolmaster



by ROGER M. SHAW

EVERY TEACHER, administrator and member of a board of education works as a parent *pro tem* under the legal doctrine of *in loco parentis*. This little Latin phrase looms large in legal literature in two major connections. It can be used in relation to the educator as a protective umbrella on the one hand, or as a sword of Damocles on the other. It appears protectively most frequently in judicial decisions concerning corporal punishment. In a 1953 Ohio case the judge states that "when a teacher gives a pupil corporal punishment and is charged criminally therefor, certain fundamental propositions of law come to mind. First, the teacher stands *in loco parentis* (i.e., in the place of a parent) . . ."

The phrase appears most *threateningly* in court rulings on liability for school accidents. The 1893 record of the leading English case, which involved a teacher's negligent storage of a stick of phosphorus which had ignited and burned a pupil, reports in judgment "that as to the law on the subject there could be no doubt that the schoolmaster was bound to take such care of his boys as a careful father would take of his boys, and there could not be a better definition of the duty of a schoolmaster."

There is also responsible opinion that superintendent, principal, and

board of education share with the teacher some of his status *in loco parentis*. People who help parents educate children seem frequently, in the eyes of the law, to become parents *pro tem*.

School originally took parent's role

Some competent students of education surmise that in the mists of prehistoric time the first school was probably set up to serve partially in place of the parent in the education of children. Historic legal facts may buttress this hypothesis. One writer in 1942 suggests a relationship between the life-and-death power of the head of the ancient Roman household, called *patria potestas*, and this later relationship called *in loco parentis*. Blackstone, writing in the 18th century, said that the father ". . . may also delegate part of his parental authority, during his life, to the tutor or schoolmaster of his child; who is then *in loco parentis*, and has such a portion of the power of the parent committed to his charge, viz., that of restraint and correction, as may be necessary to answer the purposes for which he is employed." The concept in American law in the 19th century was thus treated by Kent: "So the power allowed by law to the parent over the person of the child may be delegated to a tutor or instructor, the better to accomplish the purpose of education."

Students of the legal problems of education might notice the apparent

importance of *delegation* of power by parent to teacher. Suffice it to say that the modern view in America minimizes the importance of this *formal delegation*.

In addition to the two basic categories of cases in which *in loco parentis* is a major pleading, i.e., in *corporal punishment* and in *school accidents*, there are at least three other cases in which this special relationship of teacher to pupil has entered into the courts' reasonings. A California case in 1911 used it to rationalize the reasonableness of a school board's regulation of a teacher's choice of residence. Though it was recognized in a 1916 case in Texas involving a school board's right to regulate pupil behavior, the court issued an injunction against the board's ruling a corner grocery "off limits" to students. Another case, in Texas in 1917, which is cited more often by educators than by jurists, seemed to indicate that the teacher is more *in loco parentis* than is the superintendent. The teacher *could* chastise the child (and not be guilty of assault and battery), whereas the superintendent *could not*.

Phrase covers many situations

In the only lengthy encyclopedic treatment of the educational implications of *in loco parentis*, by Harry N. Rosenfield, an attorney whose writings are prominent in the literature of legal problems of education, it is suggested that it may be "possible to think of the outer circumfer-

Dr. Shaw is Professor of Education at Kent State University, Kent, Ohio.

ence of the circle of influence and power of the school as being delineated by the outer limits of applicability of *in loco parentis*."

Great breadth of scope and applicability of the doctrine of *in loco parentis*, almost as if it were a kind of legal umbrella or blanket controlling all school activities, seems to be implied here.

A somewhat less comprehensive coverage is suggested by precedent like the 1942 case in Pennsylvania in which two teachers immersed a boy's infected finger in boiling water for ten minutes. In declaring the teachers liable for damages the court said: "These teachers stood *in loco parentis* to the child, but there is nothing in that relationship which will justify defendants' acts. . . ." The teachers could not take the parents' place in treating infection.

Modern courts reinterpret concept

Though this point moves into an area less firmly supported by legal precedent, it appears that no modern study of *in loco parentis* should fail to raise the issue of its adequacy in the second half of the twentieth century. No mention of a substitute phrase was found in the literature utilized in this study, but a revised theory of *in loco parentis* has been hinted to the effect that since modern parents do not generally hire tutors nor formally enter into contractual relations that could, among other things, involve the formal delegation of parental powers to the teachers, "the school does not derive its authority from the parents of the children who attend, as the popular phrase *in loco parentis* has led many to suppose, but from the whole body of organized society," as Professor Lee O. Garber states. Parental prerogatives in public educational policy-making, since the famous Massachusetts Laws of 1642 and 1647, have diminished in several ways. Since public, not private, schools are the mode today, and since teachers are primarily responsible, not to the parents, but to the state, does it not seem as if some such new phrase as *minister civitatis*, i.e., "agent of the state," could ultimately and modern-

ly serve every purpose that has been earlier well served by the "hoary handle" *in loco parentis*?

One of today's foremost students of the legal problems of education has thoughtfully questioned this suggested "substitute doctrine" of *minister civitatis* because it might provide inadequate safeguard for the teacher against charges of assault and battery. The present writer is of the opinion, however, that *minister civitatis* could soon be made sufficiently authoritative in justifying the teacher's administration of reasonable and moderate corporal punishment to warrant the development of this revised and improved concept of the teacher-pupil relationship without losing adequate protection to the teacher.

Use "catch phrase" to rationalize decisions

I have had the temerity to speculate on legal phraseology, and perhaps have already been called a presumptuous and iconoclastic meddler by those who know better the power of precedent and the weakness of innovation in legal thinking. However, I am further constrained to suggest the possibility that *in loco parentis* may be less a "doctrine" and more a "catch phrase" used by the courts to rationalize and legitimize a conclusion reached on more modern and appropriate educational grounds.

Cursory review of some of the

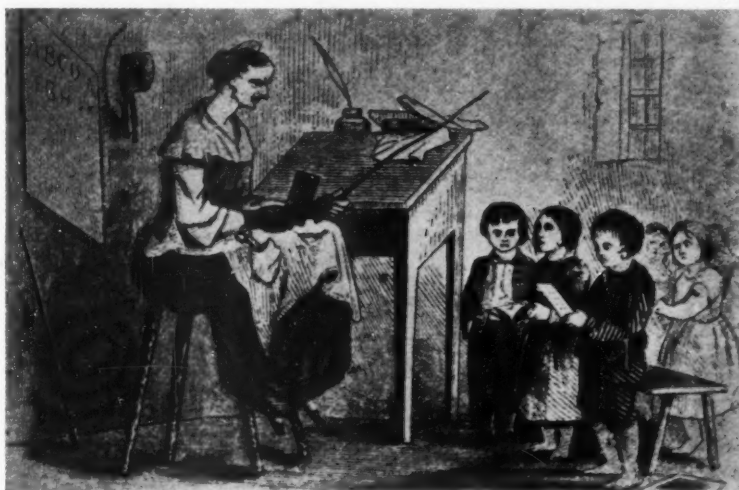
cases in which *in loco parentis* is used as a pleading shows that it is frequently a kind of quick, categorizing gesture rather than the fundamental point on which the cases turn. It is apparently an established judicial device to categorize a particular action to conform with a decision which the courts have reached upon social or other grounds.

School people should know legal doctrine

Ultimately, from this welter of ancient and modern legal lore, it is necessary to bring this thing called *in loco parentis* into focus for the educational practitioners of today. What is it? It is a minor doctrine of law which, in legal tradition and in living law, has been since ancient times the best simple generalization of the sacred relationship between the teacher and the pupil.

What is its future? As is true of all law, this doctrine is undergoing gradual mutation, and it may be hazarded as a guess that, in our time, if education continues to be more of a state than parental function, *in loco parentis* will suffer a slowly diminishing prominence.

In loco parentis should be thoroughly explained to every newcomer to education, be he lay board member or professional pedagogue, as a sobering and salutary concept of his relationship to his charges. This will help prevent action in school that may be actionable in court.



Woodcut of 100 years ago shows schoolmarm armed with hickory stick.

Students Work to Learn,

Butcher, baker, candlestick maker, doctor, lawyer . . . high school students try out jobs, get school credits, in non-paid work education program in Santa Barbara



Photos courtesy Santa Barbara News Press

Students who don't plan to go on to college try out jobs in trades.



Local dentist cooperates in program by taking student as assistant.

HIGH SCHOOL STUDENTS frequently have an unrealistic notion of the adult world in which they must soon make their living.

In an effort to bridge the gap between school and the workaday world, the five high schools of Santa Barbara County are experimenting with a work program in which the students take as part of their high school course, with credit, a non-paid job supervised by teachers.

200 students work each semester

Each semester 200 students are working in medical laboratories, X-ray clinics, public libraries, elementary classrooms, the local offices of doctors, dentists, lawyers, architects, clergymen, banks, clothing stores and other commercial establishments, and in the research and sales departments of many organizations. They have also worked in such trades as mechanic, jeweler, shoe cobbler and custodian.

This non-paid work program is part of a five-year study which was begun in 1951, and financed for the first two years by a grant from the Rosenberg Foundation—a private philanthropy established in San Francisco which offers financial aid to educational programs and research.

Students who expect to go on to college as well as those who do not have profited greatly from the program.

The professional and business

Dr. Olson is County Work Education Director in Santa Barbara County, and chairman of the department of Secondary, Higher and Adult Education at the University of Southern California.

Not Earn

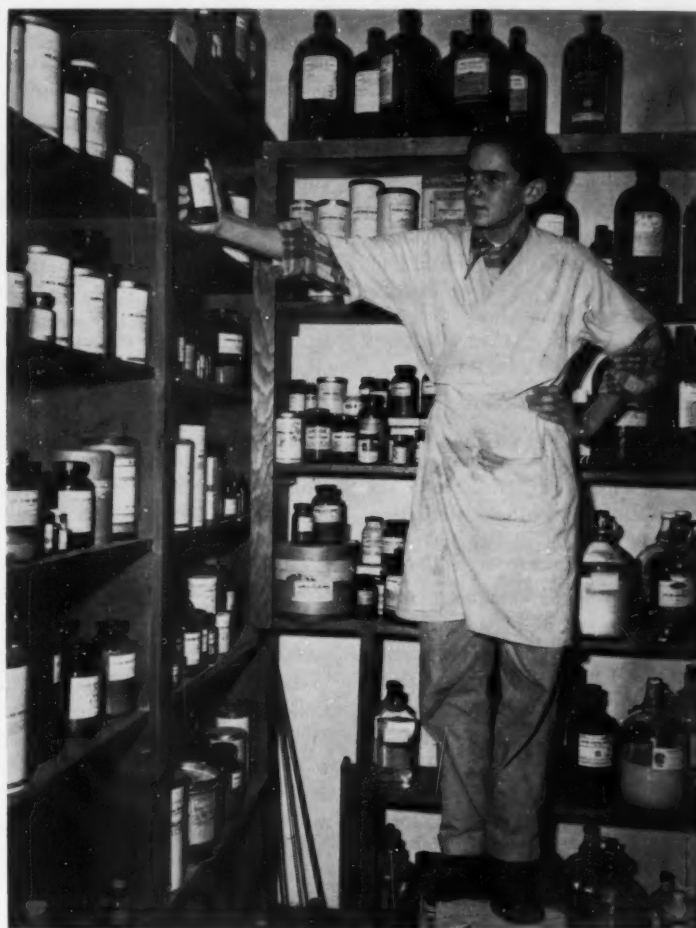
people of the communities have cooperated fully with the experiment. Doctors have invited students into the laboratory and also permitted them to watch surgery. The district attorney's office has arranged visits to courtrooms, directed students' reading in legal areas, taught them the preparation of legal briefs and evaluated the students' capacity for success in the legal profession. Business and industry have also responded helpfully.

Originally the program was started as the usual work-experience-with-pay course which has been tried in many schools. However, certain legal as well as practical difficulties resulted from this plan.

Paid students get unskilled jobs

We found that the fact that students were on the payroll made it necessary for employers to give them productive work, usually of an unskilled, repetitious kind, which would teach them little about the vocation they were interested in entering. Employers could not be expected to pay the young people to explore a variety of experiences in a professional area where they could contribute little, if anything. Therefore, schools which had a paid work experience program continued with it, but all the high schools added a non-paid work education program on school time on an elective basis as part of general education.

Questions on the legality of non-paid work experience, as well as on liability and compensation matters, the minimum wage and the legal interpretation of such youth as "students" or "employees" are being stud-



Prospective pharmacist is initiated into mysteries of the apothecary.

ied by university graduate students.

Local and state officials are working out these problems, but have meanwhile decided that the pilot study should continue within the following bounds: these experiences must be kept on school time, with school credit; there must be thorough school supervision; the students must not be exploited with repetitious work but moved around to a variety of experiences at the direction of the school coordinator; and they must not replace paid employees.

The program has had the cooperation over the past two years of employers, labor leaders and professional persons. Insurance companies have covered the youth with up to \$1500 of insurance for less than \$2.00 a year.

The experiment has proved successful from the point of view of the

schools, the students and the businesses and professions in which they have worked.

In addition to being useful to the students and the cooperating public, the program promotes good relations between the community and the schools. It gives the schools and the laymen an opportunity to work together, so that the public feels it is participating in the school program.

Consult local authorities

A school wishing to develop a non-paid work experience program should consult with local and state authorities on the legal problems involved. Administrators desiring information about the Santa Barbara experiment can obtain it from the county superintendent of schools.

WHAT IS THE EFFECT of state, local and municipal agencies on educational leadership in the planning, reorganizing and administering of schools?

Under the sponsorship of the Southwest Regional division of the CPEA, and with funds from the Kellogg Foundation, the School of Education of Oklahoma Agricultural and Mechanical College set out to explore this question two years ago.

Consult other disciplines

Other disciplines, including the departments of sociology, political science, philosophy and economics, were called in on the project. Several superintendents in the field were also invited to help in planning a program of study.

Three advanced students were awarded fellowships to work on the project from funds provided by the Foundation. Two graduate students who held fellowships provided by the college, as well as a graduate teaching fellow who was on leave from his position as teacher and administrator, joined with the others to form an experimental study group. Their experience in teaching and administration ranged from none to 20 years.

The planning committee, now composed of these six students, members of the staff and several county, municipal

and state officials chose 20 agencies for study.

Seek to improve leadership

Obtaining the cooperation of these agencies, the committee set up a study and visitation schedule. It developed a study guide for each visit, outlining the necessary transportation and lodging, the division of responsibility for specific study and observation, and plans for the evaluation seminar to be held each week on the campus with the staff members.

In addition to the primary purpose of improving educational leadership by understanding its relationship with state, local and municipal agencies, the project had two secondary goals.

Group selects agencies

One was the improvement of the pre-service and in-service preparational program at Oklahoma A&M College leading to the certification of educational leaders. The other was the improvement of the content, teaching practices and procedures in the curriculum in educational administration at the College.

The agencies selected for study and observation included County Superintendent or intermediate officer, County Attorney, Court Clerk, County Treasurer, County Clerk, County Tax Assessor, a municipal planning board, Chamber of Commerce, County Health Unit, State Parent Teachers Office, and Oklahoma Educational Association.

Also studied were the State Legislature, including Educational Com-

mittees in official session; the State Department of Education, including intensive study of certain departments like the State Textbook Commission; Departments of Finance and Special Services; the Lay Citizens Committee, Pauls Valley, Oklahoma; Newspaper and Radio Services, Tulsa; the Oklahoma State Safety Commission; and the Oklahoma State School Boards Association.

Study educator's view

The final week of the project was to be spent with school superintendents of three Oklahoma communities, so that the impact of these agencies could be studied from the educator's point of view.

Administrative responsibility for the project was assigned to the chairman of the department. The students were enrolled in a seminar in Special Problems in Educational Administration which met weekly for two hours, with one and a half hours scheduled for reporting and evaluating, and a half hour for planning the next visit.

Rotate responsibilities

The responsibility for contacts, scheduling interviews and conducting the visits was assumed by members of the seminar on a rotating basis under the guidance of the staff member in charge. Provisions were made for recording and reporting material for seminar and staff evaluation. As the project proceeded, modifications were made in these arrangements as needed.

Dr. Wallace is Professor of Education at Oklahoma A&M College in Stillwater, Oklahoma.

CPEA project at Oklahoma A&M investigates the relationship of educational leaders to state, municipal and local agencies that affect schools

Education Students Observe

As the project progressed through the spring and summer semester, a panel of school superintendents who were unfamiliar with the project was asked to evaluate it in terms of improvement of educational leadership. Members of the staff of the School of Education and of the other divisions on the campus which were cooperating in the study and representatives of the agencies studied met with this panel.

Don't understand agencies

The group made several observations. It found that the functions, duties and contributions of the various county and intermediate officers, including county superintendent, clerk, tax assessor and attorney are generally neither understood nor utilized by the superintendent of schools. It also observed that a municipal planning board can provide much help to the superintendent of schools on such problems as school sites, new developments and shifts in population and zoning, and that certain civic organizations, like the Chamber of Commerce, can be valuable to the school leadership in the development of community support of school programs.

Lack common agreement

The group also found a lack of common agreement between members of the state legislature and school people concerning the educational needs of pupils and the best methods of meeting these needs. The panel stated that some services of the State Department of Education are not as

useful to the schools as they might be because of the attitudes held toward them by many school people. It also found that the communications agencies seem vitally interested in school problems, and that since these agencies have a strong influence on public opinion the school leadership must develop a working relationship with them.

Learn effect on schools

As a result of the study, the members of the seminar obtained a broader understanding of the various agencies and their impact on educational leadership. They achieved a much better knowledge of the scope and function of educational leadership, particularly in its community aspects. They also recognized the need for school leaders to develop proficiency in human relationships.

The students agreed that their greatly increased understanding of the various community groups would not have been possible in the conventional course structure and formal classroom experiences of graduate programs.

Recommend course changes

Throughout the project the rapport that developed naturally between the seminar group and the faculty contributed to the freedom of students to state their observations on possible improvements in the preparation program in educational administration. They recommended that the courses utilize resource persons from public administration at the state, local and municipal levels. The stu-

dents also felt that field trips should be made to study "real administration problems" to make the program meaningful.

Definite scheduling of seminar study groups with flexible time arrangements to permit longer blocks of time for study and observation was considered helpful to the prospective administrator. The students also recommended that members of the staff hold frequent meetings with students and superintendents from the field to plan the program, thereby eliminating duplication.

Include field trips

As a result of the project, the program in educational administration now includes planned field trips and guided study and observation of many community agencies as well as first-hand study of school-community problems. These include aiding the community in developing a long-term building program, evaluation of the present curriculum, analysis of community structures and processes, study of ability to support education, and working with citizens' committees to define and understand their problems. Resource persons from the community, county, municipality and state are frequently used.

Pupils get better schools

We believe that children in the schools where former members of the seminar group are now practicing, and those in schools staffed by students now enrolled in the program, are receiving better educational opportunities.

Community Agencies

by MORRIS S. WALLACE



Drive to put "A Flag in Every Home" wins cooperation of civic and patriotic organizations, makes money for student clubs

Students Sell Flags

by JOHN K. ARCHER

Above, seniors at Glen Cove High School, New York, count money gained for class treasury through sale of American flags to local citizens. Below, girls of senior class hold brochures provided by School Fund Service for drive; Nancy Gilroy, third from right, sold 55 flags.



A FUND-RAISING DRIVE that brought money into the treasuries of student organizations and good publicity for the school was sponsored recently by the Junior-Senior High School of Malverne, New York.

Students sold American flags to householders and businessmen of the community, with profits from the sales going into the Student Council's treasury. The drive, which had as its slogan "An American Flag in Every Home in Town," received support from local patriotic and civic organizations and the Board of Education, as well as good coverage in the local newspapers.

The campaign required no investment by the school. The School Fund Service of Westbury, New

Mr. Archer is principal of the Malverne, New York, Junior-Senior High School.



Senior class president Peter Hodgson of Glen Cove High School, New York, addresses local Rotary Club, which supported flag drive.

to Raise Funds

York, provided catalogs and swatches of fabric which students used in making their sales. The school's name was imprinted on the cover of the catalog and on the order blanks on the back cover. We were also supplied with form letters requesting the support of local organizations and other promotional material, as well as advice on conducting the drive.

Show 16 mm. film about American flag

A 16mm. film, *Our U. S. Flag*, was also provided, and shown in the school. When the delivery date came, flags were distributed by the students who had taken the orders.

Other schools have used the same project to raise money for key clubs, "Y" clubs, school bands, individual class funds and other student groups. Sums raised range from \$250 to \$1000, and the campaign brings additional benefits in good public relations.



Student leaders of Key Club at Milford, Connecticut, High School explain flag selling drive to Principal Herbert R. French.



Key Clubbers James Fuller and Charles Huchet of Milford High School sell flag to housewife.



Once There Was a Principal . . .

by RONALD LEVY

ONCE THERE WAS a school in which the teachers were overloaded with work. It seemed to them that whenever they were particularly pressed for time, the principal would call a faculty meeting in which they had to listen to some expert tell them what to do about some problem all teachers have.

Whenever they attended such a meeting—which was of course compulsory—they would sit with expressions of patient boredom, listening to a speaker from the state university or the Board of Education discussing in long technical words some daily job they had, such as grading papers. What he had to say seemed to have little application to the papers they knew were piled up on their desks waiting to be graded, while they sat there listening to his nearly unintelligible talk, which seemed to be almost in a foreign language.

The principal called these faculty meetings an in-service training program, and pointed to them with pride, in the belief that they were an efficient means of improving instruction. To the teachers, however, they were merely another unavoidable ad-

dition to their already heavy work load.

One such afternoon, one of the teachers, a lean and sad-faced young man named Hildebrand Garrison, suddenly seemed to go berserk. He did what no one had ever done before at such a meeting. He asked a question of the speaker.

Hildebrand tries to explain himself

Because of the consternation that followed this breach of convention, no one remembered afterwards what the question was. But they did remember for a long time how, in the deep silence that suddenly came over the group, with all eyes turned towards him, Hildebrand suddenly seemed to feel a need to explain himself. He looked around with a dazed expression and seemed to be pleading for understanding when he said, "You see, I don't quite understand what he's talking about. I never do at these meetings. I just sit here while my work is waiting for me on my desk. These experts," he said rather piteously, "who don't seem to have anything to do but talk come and say things about my job that I can't even understand."

Well, they all felt sorry for Hildebrand, and as quickly as possible (he didn't own much to pack) they packed him off to his mother's farm in Kansas to recuperate in the fresh

air. Everyone agreed he was badly overworked.

"But it's not just overwork," Mrs. Kazey, the phys ed teacher, said to Mr. Tite, the English instructor. "Poor Hildebrand," she boomed, "he just couldn't take any more of this in-service training program."

"In-service *listening* program you mean," Mr. Tite tittered. "Oh well, he's best off this way. He'll get a nice rest."

Principal Gillie happened to overhear this conversation. It was the first intimation he had that his staff did not feel they were profiting from the in-service training program he had worked so hard to set up. No one had ever told him frankly how the teachers felt.

Visiting expert accepts principal's apologies

Hildebrand's crack-up didn't have much effect on the visiting expert. He merely accepted Principal Gillie's apologies for the unfortunate incident with the comment, "Well, sometimes our regulating valves get out of order." He went on to keep an appointment at a school in a nearby community where, he gave Principal Gillie to understand, the principal had better control over the members of his staff.

However Principal Gillie did not pay too much attention to the expert's insinuations. He was too preoccupied

Mr. Levy is curriculum coordinator for the Public Schools of Socorro, New Mexico.

with his new knowledge. Also, he felt a little guilty about Hildebrand and perhaps somewhat responsible for the young man's breakdown.

Principal Gillie suddenly had a vision of all his teachers cracking up, one after the other. He imagined a series of eruptions outlined on a seismographic chart—some of them would just go "pop" in a sad, quiet way like Hildebrand. Others—here Principal Gillie thought with a shudder of Mrs. Kazey—would go up with a bigger bang. She had a wild eye that foreboded positively volcanic consequences if *her* regulating valve should ever get out of order.

Feeling the ground beneath him quaking already, Principal Gillie realized sadly that although he had thought his relations with his staff were informal and sincere, actually he and his faculty had found it impossible to be frank and open with each other.

After admitting this fact to himself, he thought over the matter carefully, and then decided on a plan of action.

Asks teachers' reactions to in-service program

He prepared a brief questionnaire designed to show his faculty's reaction to the in-service program. These he put into the teachers' mailboxes, with a note saying they were to be brought to a faculty meeting at four o'clock that afternoon.

At the faculty meeting he divided the teachers into small "buzz" groups of six to eight persons and asked them to discuss the questionnaire. He then left the meeting for 20 minutes. When he returned, he dispersed the groups, and seated the teachers separately, in a way that would assure them privacy while they filled out the questionnaire anonymously. Principal Gillie himself filled one out along with the others.

When he tabulated the results of these questionnaires, he found that about 30 percent of the teachers thought they had received some good ideas from the in-service program, but were not clear how to apply these ideas to their own work. (To be honest, he had to admit that his responses fell into this category too.)

A few spoke of the pleasing manner and personalities of speakers who had appeared in the program. However, positive responses to method were conspicuous largely by their absence.

About 50 percent voiced strong generalized gripes like "What a waste of time!" or "I could have been doing my work to much better advantage."

Some stated flatly they were bored by the whole content and method of the program.

Some are confused, non-committal

Twenty-five percent were non-committal. They seemed to be inhibited or confused at this new procedure, and perhaps were unsure about what was expected.

The following week, Principal Gillie called another faculty meeting and distributed the results of the questionnaire. He shared with the faculty his conclusion that three problems seemed to occur again and again in the questionnaire results.

First, the faculty seemed to be working under a feeling of time pressure. Second, they seemed to feel that their work loads were not equal. Third, there was a feeling of tension and a corresponding lack of sincerity in the work relations between the faculty and the administration. True feelings and reactions were rarely expressed between them.

A fourth problem which was explicitly stated by a few teachers was that of student-teacher relations. This seemed to occur in the area of classroom discipline as well as in the area of grading. Principal Gillie then asked for a show of hands of those who felt that these were problems they had. Practically every hand was raised. He then announced that the in-service program for the next year would be built around these four problems. Since it was already April, he felt it would be well to start making plans now for next year.

He then divided the faculty into buzz groups, each of which was to nominate two persons for an in-service planning committee to consist of six members.

Just before the conference was ad-

journing, Principal Gillie asked each person to jot down a one-sentence anonymous reaction to this meeting. The majority seemed to indicate a feeling of hope, if not confidence, in the new approach. A few were tentative, and a few were enthusiastic.

The planning committee met regularly throughout April and May. It called in several consultants from the state university. It repeatedly interviewed and polled the faculty. The decision was that it would be best for the faculty to concentrate its efforts next year on the problems of time pressure and load. Plans for a four-day pre-school workshop were roughed out and provision was made for continuous evaluation.

One afternoon a year later Principal Gillie called a faculty conference. "Our in-service program is certainly not a listening one this year," he said proudly, surveying the alert and interested faces before him. "And we do not have fewer problems. In fact, we have many more problems that are explicit than we ever had before."

Facing problems improves teaching

"But if facing real problems is the gateway to improved teaching, then our faculty is on the road to a much higher level of professional competence than we have ever achieved before. Furthermore, they seem to like it, too!"

The faculty applauded. The loudest applause came from Mrs. Kazey who did everything energetically. But what was perhaps the most sincere applause came from the right-hand corner of the room, where Hildebrand sat happily, his eyes twinkling behind his spectacles.



Georgia Principals Study on the Job

Most students in the internship program in administration at the University of Georgia's College of Education are practicing principals

by LEE SPROWLES
and DOYNE SMITH

THE INTERNSHIP for school principals conducted by the University of Georgia College of Education for almost a decade now is actually an on-the-job training program.

Begun as an experiment in 1946, the program has grown until today it consists of twenty students in the field, under the supervision of a full-time coordinator.

Because of state degree and certification requirements in Georgia, almost every student who receives an administrator's certificate works for the principal's professional certificate and later for the superintendent's certificate. As a result, most of the students majoring in educational administration are those who have been employed as principals.

Work as principals, study during summers

They begin their graduate work in administration in the summer, before assuming their duties as principals in the fall, and then continue their studies during the summer sessions.

In this setup, the student is employed full-time and his supervised activities are directly related to his job. The objective of the program is to help the principal translate theory into practice. He learns how

to conduct group work and handle administrative problems.

Students registering for the course must be working towards graduate degrees. However, some students interested only in personal improvement are allowed to participate if they hold the master's degree. About half the students in the program so far have been in this category.

Academic achievement is not a primary consideration in evaluating an applicant, nor is the size or quality of the school system in which he works. Schools represented have ranged in size from a 6-teacher to a 52-teacher school.

Students, faculty choose year's project together

Students are selected by "areas." There must be at least five students in an area, which is determined by the distance students are willing to drive to monthly meetings.

The project selected for each year's study is determined by the students in cooperation with the faculty. During the past two years students have been asked to use "A Guide for Co-operative Evaluation of the Principal's Performance in Terms of Competencies Essential to Successful School Administration," developed by the Georgia CPEA staff.

This guide divides into four areas the administrative competencies essential for the principalship. It lists under each of the competency statements several administrative practices designed to illustrate a particular competency.

To assist in the selection of one

or more school problems needing attention, the principal asks his teachers to evaluate and rate him on each illustrative practice along a six-point scale. The primary purpose of the evaluation is to point up strengths and weaknesses, and not to determine whether the principal is a "5" or "0" administrator. Orientations have been thorough enough so that principals and teachers using the guide have accepted this point of view, and realize the limitations of any attempt to place a numerical rating on the principal's performance on the job.

When results obtained from use of the guide have been tabulated, the principal and his teachers select one or more problems on which to work during the year.

Each student is required to submit monthly progress reports. At the end of the school year, the student submits a summary of the year's work, which includes an evaluation of effort made toward the solution of school problems.

Groups meet every month

Students within an area meet as a group, with a chairman and recorder, at least once a month. The coordinator of the program, instructional supervisors and superintendents from systems represented also are invited to attend these meetings.

The agenda is planned in advance by the students. The group may work as a committee on specific problems, discuss questions raised by a participant, or discuss a problem with a re-

Drs. Sprowles and Smith are members of the faculty of the University of Georgia's College of Education.



Working with administrators actually on the job is instructive to educators.

source person who is present on invitation.

On the other hand, one theme may be followed for the entire year; for example, one group held sixteen area meetings on the procedures, techniques and methods to be used in the evaluation of instruction.

All students are required to come to the university campus for a two-day work conference each quarter. These conferences are planned by the students. The second conference is usually planned as a follow-up of the first, and the third as a follow-up of the second.

The coordinator spends at least one day a month at each student's school, evaluating progress and making further plans. Because problems are so varied and require the advice of experts in special areas, the coordinator helps the student select resource persons who can be called in as consultants to work with the student and his staff in solving particular problems.

These resource people are usually staff members of other universities and colleges, State Department of Education personnel, superintendents, principals, instructional supervisors and public school teachers.

Individual problems are worked on in this way, but the major objective of the course is the improvement of the total school program. The project is made flexible enough for the coordinator and resource persons to work with the principal and his staff in all phases of the educational program, as well as in the special areas designated for study.

Educators who have worked with

the program since its beginning have made certain observations. They have found that care must be exercised in working with beginning principals, who tend to move too fast before they get their feet on the ground, or else to rely too heavily on the coordinator for decision-making.

They have also found that better results are usually obtained from working with experienced principals than with beginners. However, it has also been observed that it seems to make little difference whether the principal takes part in the program during the master's degree program or during post-master's work.

No attempt has been made to estimate the unit cost of the program. However, it is a very expensive undertaking. The College of Education pays the salary and travel expenses of the coordinator and other staff members when they are used as resource people. Students pay their own expenses. Local school funds are used to pay the expenses of resource people other than those provided by the College of Education, or else this

expense is borne by the system board of education.

Student responsibility for planning and carrying out work at area and campus meetings results in more careful planning and a better quality of work than was formerly true when the coordinator and a program committee made up of College staff members did the planning.

The work is a learning experience for both the student and coordinator. Working with students in the field helps to keep the college professor informed as to the problems faced by administrators and teachers on the job. It is suggested that work schedules be arranged to give college professors opportunities to work continuously for a quarter, semester, or a year with students on the job.

Supervised field experiences of some kind should be a part of any well-rounded preparation program for school administrators. This on-the-job program provides an excellent opportunity for evaluating the effectiveness of the total preparation program for administrators.

Program's purpose is to help the principal translate theory into practice.





Styled like a sunken living room, this Commons opens directly off the entrance lobby. At Christmastime it is the logical place for the school tree. Note snack bar against right wall. (Lakewood, Ohio, High School; by Hays & Ruth)

The High School Commons

not just a widened corridor with a couch, nor a downstairs lounge, the Commons becomes the school's living room, the focus of leisure-time activity and a complement to classroom learning

by JAY C. VAN NUYS
and DALE K. HAYES

Mr. Van Nuys, architect of Somerville, New Jersey, included a Commons in his newly-designed Hanover Park, N.J. Regional High School. Mr. Hayes is director of research for the American School Publishing Corporation.

ONE OF THE TEN imperative needs of youth is outlined in the National Association of Secondary School Principals' *Planning for American Youth*, which reads:

"All youth need to develop respect for other persons, to grow in their insight into ethical values and principles, to be able to live and work cooperatively with others, and to grow in the moral and spiritual values of life."

The attempt to satisfy such a need can be made not only through the high school program but in the spatial provisions of the high school building itself.

Respect for other persons, the ability to live and work cooperatively with others can be fostered when youngsters congregate for social relaxation, meet for extra-curricular projects and committee meetings, or gather at the snack bar to exchange observations on the local scene fully as much as when they work together in the classroom on a laboratory experiment or a social studies project.

They can, that is, if there is a central space in the school designated for such fraternal use. We shall call this space the Commons. It dif-

fers from the traditional large-group spaces, such as cafeteria, gymnasium or library, which are designed to accommodate a portion of the school program. The Commons is designed primarily for group use; it is a non-programmed, non-supervised area where students naturally cluster when time and opportunity permit.

They learn outside the classroom

Some parents, perhaps even some educators might think that this is sugar coating an already sweetened program and catering to the good-time-Charlies who should as it is be spending more time on their school-work.

However, we are beginning to recognize that people learn a good deal from their peers, more than we once would have guessed. The results of a recent survey conducted by several universities bear this out. The several hundred graduate students queried replied that they learned 13 percent of what they know from books, 34 percent from people, and 53 percent from their environment. When we consider that students at this level have spent considerable time reading, the findings have even greater significance for student of high school



Hedrich-Blessing photos

age. We know that many youngsters feel that they learn more out of school than in the classroom and put up with school only because of parental and societal pressures. Perhaps their complaints are justified.

Early adolescence is a peculiar and complicated stage of human development. It is characterized by more than acne and a fuzzy chin. Beginning at about the age of 13, youngsters experience a changing attitude toward members of the opposite sex, the matter of dress and behavior is suddenly important—it must be what the others do, they must belong to a clique or else be miserable in their isolation, they suddenly want to throw off the yoke of teacher-parental supervision and prove themselves to be independent and responsible members of society. Most paramount is the desire to conform to peer group standards.

In order for students to get the most out of their four high school years, it is necessary that we recog-

nize and consider their characteristics when we design our secondary school plants and programs. Students need to like school. They need to feel that they belong to their school—and it to them—and that the physical facilities are planned for them and not just around a rigid academic program.

Located as the pivot

A central, social-living space, our Commons, tends to satisfy the needs created by these characteristics. Comfortably appointed and located as the pivotal spot in the school, it can create an atmosphere in which every student will feel that he belongs. Such a space where students can meet informally with each other and with teachers symbolizes the recognition of students as young citizens.

This consideration of the student as a citizen is an important one. Isolated, or "cell," learning activities only partially prepare the student

for his role in the adult world where adaptability, self-reliance and the ability to get along with other people rank high among the requirements for successful citizenship. Plant design can do much to ease this transition from adolescent to adult. A well-designed Commons provides the facilities and atmosphere in which students can, without guidance or supervision, apply their classroom study of citizenship.

Through such a provision in the school plant, social and emotional growth are allowed to proceed concomitantly with physical and intellectual growth—thus fulfilling the concept of educating "the whole child."

We can therefore justify the Commons educationally. But how can we afford the space?

With careful planning, space which is normally allocated to foyers, corridors and waiting areas can be combined to form a central space which serves the same functions. Having justified the combination of spaces

which are used only occasionally as the nucleus for our Commons, we can then proceed to analyze other space allocations which will contribute to it further.

Since we want this space to become the center of interest in a building or group of buildings, it can form the central core around which major plan elements, such as the library, the auditorium, cafeteria or all-purpose room, may be developed. Space in a library which is normally allocated to browsing can flow into and become a part of the Commons. The Commons can become the large foyer serving the auditorium and the cafeteria and even as the large-group circulation space for these elements.

If through our educational philosophy we can confer upon adolescents the responsibility of pursuing the acquisition of knowledge through initiative expressed individually or with small groups, we can then assume that certain portions of the formal learning processes may take place

outside of the classroom. What better place could be provided spatially and environmentally than the space which we have called the Commons? Intraclass committees will find this space extremely valuable for fulfilling certain assignments with the library readily adjacent for reference while yet being temporarily isolated from the large class-group activity.

Careful analysis of the elements which have been borrowed from those labeled areas will produce a surprising number of square feet. This consolidation of areas which normally serve a secondary function will then be sufficiently large to meet the needs of large-group activity when the occasion demands. They will also be doing a full-time job.

The characteristics of this space are of the utmost importance. If we simply designate a relatively large space as the Commons, we are very apt to defeat our purpose by developing a room with all the characteristics of a "great hall." The function

of a Commons is analogous to that of a hotel lobby. It should have comfortable scale, a pleasing irregularity of shape and the environmental characteristics of a lounge. Space dividers of interest in design—and preferably movable—will tend to subdivide the large area into more intimate and inviting spaces. These are ideal for small group work or conversation centers.

Valuable space formerly dedicated to the formal, and usually austere, waiting room serving the administration suite can be allocated to the Commons. Following the philosophy of bank and hotel management the administrative staff should be readily available to the public, parents and students. When the Commons becomes an extension of the administration suite, a visual invitation exists which in itself promotes the desired informal relationship between staff, students and the public.

When the Commons serves the auditorium, cafeteria, library and administrative area, it will of necessity be located so that everyone using the school plant must at some time pass through it. In this desirable capacity it serves also as a circulation area. And, if properly designed, the Commons sets the tone of informality and friendliness for the entire school plant.

Contrast to the formal spaces

Of primary importance is the decor. Color, texture, decorations and furnishings should blend to achieve a warm, friendly and inviting atmosphere conducive to relaxing study, conversation or group social activity. This area will become the "living room" of the school. It will provide welcome contrast to the more formal spaces it serves and will truly become the heart of the school. It is to be hoped that at least one wall will be devoted to large window areas opening on an outdoor extension of the Commons.

Movable coat racks, inexpensively enclosed on three sides and colorfully decorated, make excellent space dividers. By introducing chalkboard, pegboard and tack board as back and ends pieces, the coat racks be-

The Commons (above left) is the hub with corridor traffic at right beyond columns, office in center background, library at left (shown below). (Norman, Okla., High School; by Caudill, Rowlett, Scott & Assoc. and Perkins & Will)





Towne Studio photos



Commons forms part of the corridor and is adjacent to the library. Fireplace adds cozy touch. The area is used for PTA and school board meetings as well as student activities. It is up a few steps from entrance lobby; tiered planting boxes help set the environmental tone. The Commons extends visually onto the outdoor terrace. (Newton, N. J., High School; by Jay C. Van Nuys & Associates)



come valuable teaching or exhibition walls. These can be stored in a compact area when not in use or rearranged to serve for community functions.

Given such a properly-designed space, it remains only to the ingenuity and vision of the administration and staff to develop many other ways it can be used. It can readily be imagined how attractive and useful the Commons can become for community functions; its informal, yet sophisticated, atmosphere will also make the adult feel at home in the school plant. No longer will the PTA or other community groups have to meet in the oversized auditorium or squeeze into a classroom. With comfortable lounge furniture attractively grouped around the fireplace, the Commons provides an ideal setting for the small group meeting. In school plants where this concept has been carried out, even to a small degree, the public has been tremendously enthusiastic for the use-potential of this space.

Also the community center

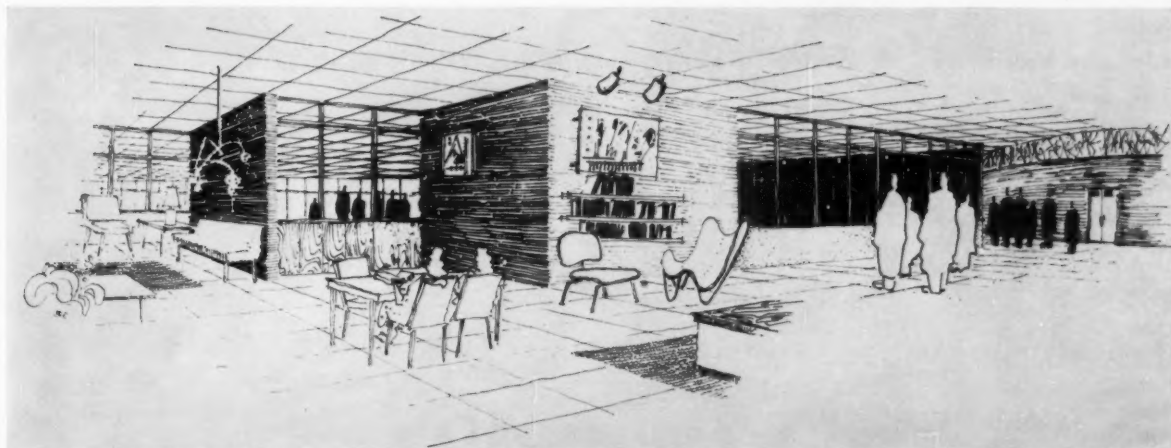
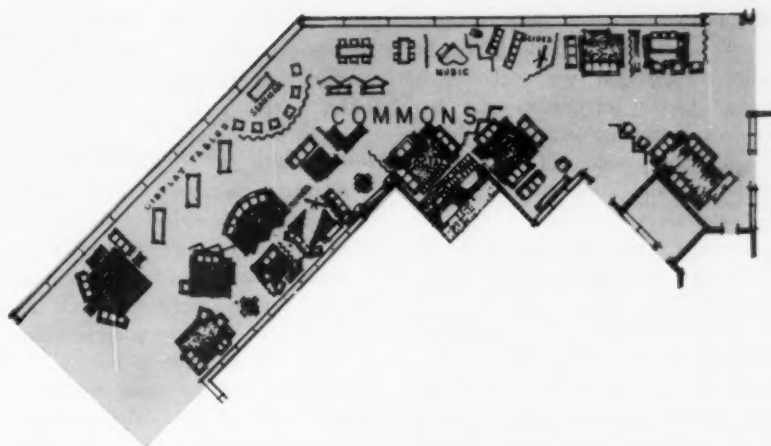
No other element of the school plant is so closely identified with the community as the Commons. Here, in an appropriate atmosphere, friends and neighbors meet for a wide variety of purposes, in large and small groups. Peer-learning at the adult level has many opportunities to develop in such a space. Adult education classes, in subject areas which do not require classroom facilities, can function better in a space which has an informal, adult environment.

As we recognize and design for the more adult characteristics of the adolescent we are simultaneously meeting many of the community-use needs of the school plant. This is particularly true of the Commons. Committee meetings, teas, fashion shows, card parties, small-group lecture programs and even board of education meetings are only a few of the many ways in which the Commons have been used.

If we were to dream for a moment about the Commons of the future, we might envision further development



Plan of main facilities building shows integration of Commons and relationship to other central elements. Interior view (below) shows exposed brick walls which give environmental warmth and texture, provide exhibition space and form inviting alcoves for study, conversation or group meetings. Intimate scale and colorful decor with comfortable lounge furniture will make this the school's living room. (Proposed Hanover Park Regional High School, Morris Co., N. J.; by Jay C. Van Nuy & Assoc.)





Julius Shulman

Commons with raised platform in background. (Student Center in Orange Coast College, Calif.; by Robert E. Alexander)

of this space-of-many-uses. Its chief characteristic would undoubtedly be uninterrupted but not monotonous space. Closer integration with the outdoor commons, separated only by sliding glass panels, will increase the usefulness and interchangeability of both areas.

Perhaps major portions of the library as a separate space will disappear and become a part of the Commons with the exception of minor elements such as workrooms, conference rooms and audio-visual-viewing rooms which might require more definitive separation. Brows-

ing, study or just reading for pleasure can then be done in a more relaxing and comfortable environment.

Can include learning alcoves

Attractive alcoves — again separated by space dividers designed for effective sound control and isolation — could form studios for educational TV and radio programs, such as panel discussions, news programs, interviews or demonstrations. While this could well be done in other areas, it would serve the learning process better if it could be done in

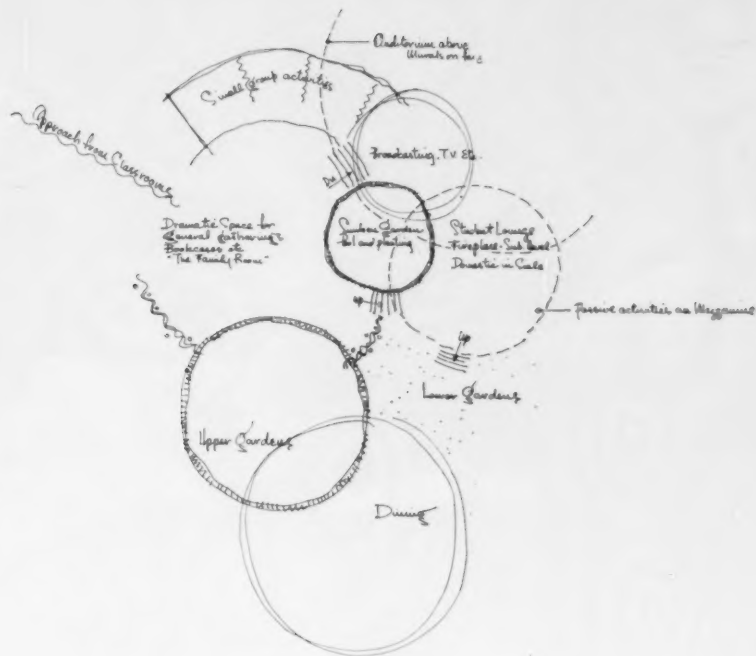
full view of, yet undisturbed by, other occupants of the Commons.

Since the trend in secondary education seems to be in the direction of advancing the activity-committee type of program from the elementary level and bringing down the individual responsibility concept of the university, it is not difficult to visualize the student union, snack bar and student store becoming important elements of our future Commons.

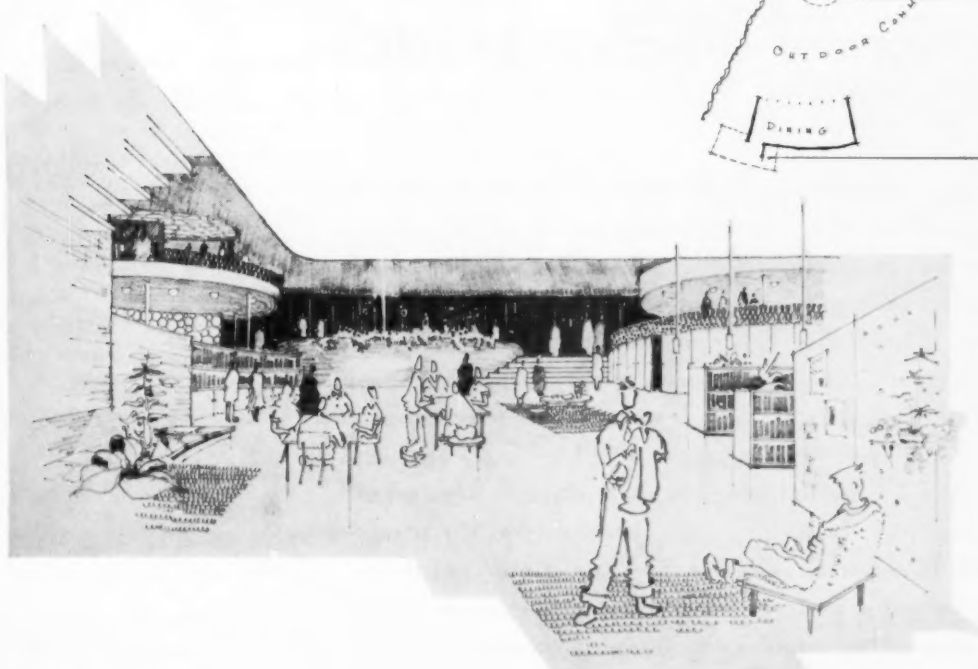
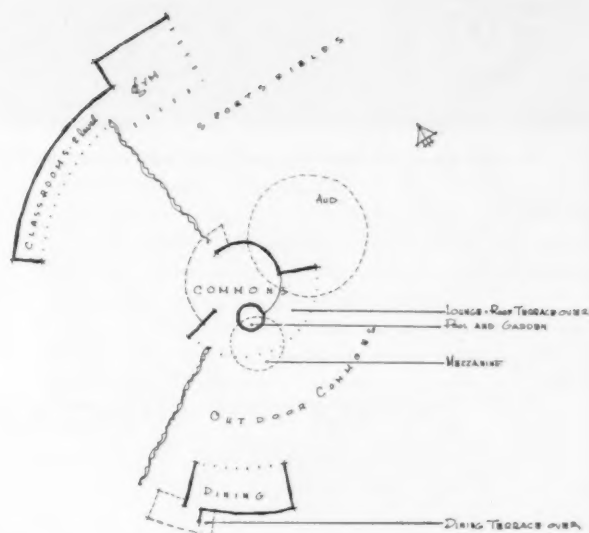
It may well be that, in a few years' time, a high school without a Commons will seem as incomplete as a home without a living room.

Full glass walls separate commons from outdoor courtyard. (Baldwin, N.Y., High School; by Ketchum, Giná & Sharp)





Schematic plan for the Commons of the future: Split levels of overlapping space functions provide change of scale and some separation of function while remaining part of the whole. Interior garden and pool introduce a note of tranquil decoration surrounded by more active elements. Sketches are developed in perspective view below. Mezzanine at left gives comfortable scale for passive activities; snack bar and student store are beneath it. Mezzanine at right gives access to auditorium from main entrance. All major areas extend into the Commons which thus becomes truly the pivotal spot in the school. (by Jay C. Van Nuys & Associates)





An applicant for a teaching position is interviewed by the coordinator of the Waco, Texas, elementary schools.

personnel selection practices

A top problem for the school administrator at this time of year is the task of recruiting new people for his school system. How well he locates, attracts and secures additional staff indicates in large measure the quality of his success as an administrator. This problem is made more difficult during these years of inadequate supply of available people. The editors feel that a parade of personnel selection practices of several typical school systems would be timely and helpful. Accordingly, the following six administrators were asked to share with *THE SCHOOL EXECUTIVE* readers the practices they follow in personnel selection. These descriptions of their policies and procedures should help you to review your own practices and to consider any necessary changes.

Indianapolis Public Schools Indianapolis, Indiana

● 2779 certificated staff members

FORMATION of a strong, centralized personnel division in the Indianapolis Public Schools is still taking place. Many phases of our personnel selection practices have been defined and adopted as policy; others are still being developed and tried out.

The first big step toward such a division was taken in 1951 when our state legislature approved a general administrative reorganization of our school system. This reorganization set up staff personnel as one of our four major service divisions. Staff personnel's chief function is to develop and to maintain an efficient instructional staff for all educational divisions and to work for the professional improvement of teachers.

Before this service division was organized, much of the schools' personnel work was handled on a decentralized basis. Each administrator or supervisor, to a great extent, selected his own personnel. An assistant superintendent of schools in the central office devoted a part of his time to personnel work. Recommendations for employment did not channel through him, although hiring was done by the superintendent of schools.

Uniform practices throughout schools

Now, all recommendations for appointments are made to the general superintendent of education by the assistant superintendent in charge of staff personnel. The staff personnel office works with all other divisions and departments in selecting qualified candidates, but it is charged with making the final recommendation to the superintendent. This centralization of authority has enabled us to establish uniform personnel practices throughout the schools, thus building staff morale by assuring teachers of equal treatment.

All prospective teachers are required to complete an application blank and be interviewed by the assistant superintendent, consultant and personnel assistant. Infor-

mation from references, college placement papers and evaluation by other school personnel are also taken into account. A candidate for a particular position may also be interviewed by principals, supervisors, coordinators, consultants, administrators or the general superintendent or by a committee of these persons.

Use mass media to publicize need

Procuring qualified applicants is a major function of staff personnel. We use radio, newspaper and television publicity, distribute teacher recruitment publications to many sources, work with community groups interested in teacher recruitment, and make personal contacts and visits to teacher-training institutions to obtain applicants. Other staff members, principals and teachers also help the personnel office in its search. About half of our applicants are contacted initially by someone in the schools or interested persons in the community.

Assignment of teachers is handled by the staff personnel office in consultation with supervisors and principals, and is worked out on the basis of the teacher's practice-

by HERMAN L. SHIBLER, general superintendent of education

Teacher-evaluation blank puts emphasis on good points, not faults. The teacher gets a copy of completed form.



The assistant superintendent in charge of personnel in Indianapolis schools interviews a prospective employee who has since been added to high school teaching staff.

teaching record, personality, residence address, the school's needs and the level of experience of other teachers in the schools that have vacancies. We try, of course, to maintain a "bridge" of experienced teachers over new teachers.

Orientation for new teachers

A two-day orientation program is held each fall before school starts for all new teachers. On the first day, new teachers report to their assigned buildings to meet their principals, work in their classrooms, learn school routine and discuss the teachers' handbook. The general superintendent and his administrative staff meet the new teachers on the second day. The teachers then divide into discussion groups with the supervisors and consultants who will work with them during the year. Later in the day teachers hear representatives of professional and teacher organizations discuss their objectives and activities.

Another phase of our personnel work is teacher evaluation. We have set aside the old practice of recording only a teacher's faults. The new evaluation blank for teachers takes a positive approach. Developed by our personnel staff and a committee of teachers, it includes sections on personal attributes, professional growth and cooperation, human relationships, teaching performance and community relations.

Evaluation policy eliminates fear

Each teacher in our system is evaluated after his first, third and fifth contract years and every five years thereafter. No teacher is evaluated by fewer than two persons. At the beginning of the year in which they are to be evaluated, teachers are given the evaluation forms. Since it is our belief that evaluation should be a shared experience the standards are discussed between the teacher and the evaluator, both at the beginning of the school year and after the evaluation has been made, and the teacher then receives his copy of the completed form. We feel that this procedure eliminates much of the suspicion and fear that had accompanied the evaluation process.

The use of these evaluation forms gives us valuable background information that will aid us in selecting personnel for promotions and in making transfers from one teaching assignment to another. It will also give us a summary of teacher characteristics and accomplishments which will guide us in setting up standards and qualifications for prospective teachers.

Selection of personnel to fill supervisory and administrative vacancies is rather clearly defined in our school system. Generally, such vacancies are filled with licensed personnel from within the school system when all qualifications except length of experience are equal. Vacancies are advertised to the instructional staff, and announcements are sent outside the school system to obtain applicants. Any staff member having the necessary license qualifications may apply for these positions; all administrative and supervisory personnel automatically are con-

Dean E. Timmerman photos



An elementary school principal's advisory committee familiarizes itself with the new teacher-evaluation forms adopted this year by the Indianapolis Public Schools.

sidered. Before making a recommendation on any promotion, the personnel office confers with all divisions and departments involved.

Selection policies kept flexible

In all its activities the staff personnel service division does not dictate; it coordinates. It works with all divisions in the school system to carry out present practices and to develop new ones that are in line with practices

used by other school systems and in business and industry. At all steps of the selection process—procurement, hiring, assignment, evaluation and promotion—great gains have been made since the division was organized.

But personnel policies, like other areas of a good school system, change constantly. We feel that our organization and our personnel selection policies are flexible enough to allow any necessary change in the future to better meet the needs of our staff and our schools.

*personnel
selection
practices*

Fulton County Schools Atlanta, Georgia

• 778 instructional staff members

PERSONNEL PROCEDURES which are followed in Fulton County are perhaps not unlike those which are followed in many other school systems throughout the nation. There are 766 members on the teaching staff this year, and we believe that the turnover in our staff is about as low as possible under present circumstances in the world situation.

Perhaps we should begin with those policies and principles that have helped to build a well-knit unit. The morale and family feeling that exists among all employees in the Fulton County schools has been in existence for many years. But of course we are dealing with persons whose likes and dislikes, abilities and deficiencies can lead to envy, jealousy or conflict. We have tried to meet this ever-present morale problem. Shifting populations give us an opportunity of moving teachers to new locations when trouble arises or when it is felt that a change of environment is needed.

Personality is first consideration

Such moves follow meetings of staff members in consultation with principals and the personnel affected. In considering fundamental values the personality factor is considered paramount. We know that where teachers are happy better work is done.

Patience and kindness toward teachers' problems and complaints must be maintained to hold teachers and

build good morale. All teachers know that they will receive fair treatment and that equal consideration will be given to all employees. When one does an outstanding job he receives his due credit.

Teachers and employees share in plans for salary scheduling, and in changes in retirement benefits. All teachers know that they have the benefit of advice and counsel from administrative personnel. Teachers know that they have an opportunity for advancement through professional growth and proven ability to assume responsibility.

All teachers' wishes considered

Though not every teacher can have the assignment he wishes immediately, every effort is made to see that he gets it if he is suited for that position. Recognition and appreciation are largely responsible for the very high esprit de corps that is found in the Fulton County school system.

Students in our high schools who seem to have teacher potential are encouraged by teachers and principals to enter college with an eye toward teaching. Parents are encouraged through PTA participation to urge their children to consider teaching.

Teachers are well received in the social life of every school in Fulton County. Business Education Day has done a good deal to give teachers the support of business and community leaders in the community. Conditions of living and working are made as pleasant as possible for all teachers. We recognize that higher standards of work and pay produce better schools and a higher degree of satisfaction among employees.

The shortage of trained teachers today multiplies personnel problems in the Fulton County schools. The de-

by KNOX WALKER, assistant superintendent
of schools



A supervisor works with the beginning teachers in Fulton County Schools to acquaint them with teaching materials.

personnel
selection
practices

Montebello Unified School District Montebello, California

● 670 certificated staff members

THE MONTEBELLO DISTRICT operates on the basic belief that the classroom teacher is the most important single factor in the development of a strong instructional program. Teacher selection, therefore, is regarded as a long-range process, finding its way at times involved in the recruitment program.

Future Teachers Clubs sponsored at each of the five secondary schools serve as the agency through which many of our best students are guided into the professional field of education. To further encourage selected students to return to the local system, the Montebello Teachers' Association offers scholarships in teacher-training institutions. As a result of this practice, 57 of

the 670 certificated personnel are graduates of the local high school.

Contact teacher placement bureaus

The activities concerned with the annual selection function require a number of steps. The director of special services contacts by letter, and in person, the teacher placement bureaus in the training institutions, and the similar commercial placement agencies. The letter announcing the number and types of teaching positions open is accompanied by a description of the physical, social and economic aspects of the district and the current salary schedule, plus a handbook containing policies of the board of education relative to certificated personnel.

The program stretches beyond the boundaries of California and a number of contacts are made with training institutions in the east and middle west. Obviously this is necessary in a period of teacher shortage. The program of selection becomes effective only when a large number of candidates have been involved in the process.

Following the announcements forwarded to the various

by JOHN C. WHINNERY, superintendent of schools

and C. B. KEMP, director of special services

placement bureaus, a number of interview dates are established on the spring calendar. Interviews are scheduled only on Saturdays. Candidates may arrange for an interview at a specific time on a given date.

Several interview teams at work

The interview is conducted by an interview team composed of teachers, consultants and administrators. It is not unusual to have four or five teams in session at one time. Team members responsible for conducting the interview are expected to appraise subjectively the personality traits of the candidate and evaluate his range of interests, non-school experiences, and characteristics and abilities as they bear on the position being sought.

It is also the responsibility of the interview team to make an objective appraisal of the applicant's school and college record, his record relating to participation or sponsorship of extra-curricular activities, contacts with young people and work experience in non-educational fields.

Emphasis throughout the interview is placed on friendliness. Experience indicates that many candidates are uncomfortable and "on edge" at the beginning of an interview. Therefore every effort is made to avoid situations which diminish the personality of the candidate and reduce the effectiveness of the interview. The guiding philosophy, simply stated, is that every candidate has the possibility of becoming a permanent teacher in the district. We want the teacher as a friend from the first interview onward.

Interview should be pleasant experience

Whether the teacher is offered or accepts a contract in the Montebello district is not the most important point. We would like to feel that all candidates accept the interview as a satisfactory personal and professional experience. It becomes rather essential then not only to put the candidate at ease but to make him feel he is part of the group rather than the focal point of the committee's interrogation.

Interview teams are required to make a composite rating of each applicant. The rating is turned over to the director of special services for further review and study. In the case of an ex-teacher, it is customary to obtain by telephone or letter additional information from his most recent employer. When all of the information has been

APPLICATION FORM FOR CERTIFICATED TEACHING
MONTEBELLO UNITED SCHOOL DISTRICT
122 East Montebello, Montebello, California
Telephone: UH 1-1015 UH 1-1016

Name _____ State _____
 1. Present address _____
 2. Permanent address _____
 3. Birthdate _____ Date of Birth _____ Age _____
 4. Marital Status _____ Single or husband living? _____
 5. Children _____
 6. Church or religious affiliation _____
 7. Height _____ Weight _____
 8. Condition of health for past two years _____
 9. Type of education _____
 10. Date of graduation _____
 11. Check the school level on which you prefer to teach: Elementary 1, 2, Junior High 1, 2, Senior High 1, 2
 12. For what position, grade, or subject do you wish to apply?
 13. Would you accept substitute work?
 14. Can you teach? _____ What instruments do you play?
 15. In your own classroom, use your best model? _____
 16. Undername any of the following which you are able to discuss or teach successfully: Subjects, School Plans, Curriculum, Community, Clubs, Textbooks, Materials, Tools, Science, Mathematics, Foreign Languages, Activities.
 17. Have you failed of re-employment? _____
 18. EDUCATIONAL AND PROFESSIONAL EXPERIENCE: (Indicate number of years completed prior to present in salary schedule.)

Class	Grade	Subject	Year of completion	Date of attainment	Total	Notes
High School						
College or University						
Education work						
Special class						

19. What was your grade average in college or university? _____
 20. In what extra-curricular activities did you participate in high school?
 21. In what extra-curricular activities did you participate in college or university?

Application form used in Montebello schools.

secured and the candidates screened, the director of special services compiles eligibility lists for types of vacancies which may exist. Offers of employment are then made from the eligibility lists.

Procedure for summer vacancies

Vacancies which occur following the close of school, and which cannot be filled from the eligibility lists become the responsibility of the director of special services. The same appraisal procedures are followed, but the candidate may be interviewed by one or more staff members rather than a committee action. After the committees have completed the assignment and been discharged from further responsibility, every effort is made to have the principal of the school in which the vacancy exists evaluate the applicant for the position.

The role of the superintendent is one of general supervision. Charged by the board of education with the responsibility for nominating all personnel, he must be alert to the strengths and weaknesses in the program of selection. His most challenging task is to procure and develop a corp of well-trained teachers. To a great extent his success or failure as an administrator will be reflected in the results of the selection program.

Fulton County, Georgia, schools are able to keep teaching staff in line with heavy enrollment gains by temporarily employing college-trained wives of men in local military departments and colleges.





Indianapolis schools are able to attract good candidates because of their well-equipped classrooms and a low teacher-pupil ratio.

*personnel
selection
practices*

Waco Independent School District Waco, Texas

● 650 certified staff members

IN THE ORGANIZATIONAL pattern of the Waco Independent School District, the superintendent of schools is responsible for the selection of administrative and supervisory instructional personnel. The assistant superintendent of schools, in charge of secondary education, selects instructional and clerical personnel for the secondary schools. The co-ordinator of elementary schools selects teaching and clerical personnel for the elementary schools.

Each school principal outlines special qualifications required for vacancies on his staff in conferences with the assistant superintendent or elementary school co-ordinator. The director or heads of other departments, such as maintenance, custodial or lunchroom, select personnel for their respective divisions.

Staff members away on the look-out

All employees of the district are scouts for well-qualified personnel. Persons charged with the responsibility

of selecting personnel are constantly on the alert for any information which might direct them to capable persons. Although most employees are selected from voluntary applicants, we do not hesitate to follow up other leads or

Handbook called What's Your Teaching Quotient?, a plan for evaluating teaching services, has been used successfully in Waco schools the past 2 years. The teachers helped develop the plan.



to visit a college campus or the place of employment in search of highly-qualified personnel.

In addition to filling out a regular application form all persons applying for positions on the instructional staff must make a written application in longhand, giving a brief outline of their training and experience plus personal data, in order for us to evaluate their ability in

by E. N. DENNARD, superintendent
of schools

sentence structure, organization of facts and handwriting.

A personal interview is a requirement for employment in order that the applicant may know the requirements of the position and that the employer may judge the qualifications of the applicant. We believe that if the applicant has a clear understanding of the requirements of the position he can arrive at a more intelligent decision concerning his employment. At the time of the interview the applicant is told of the school district's administrative policies and practices and board regulations on working relationships, conditions of contract, sick-leave provisions and so forth.

Use references for confidential evaluation

References are requested for all applicants. After careful selection of persons who know the applicant and have some knowledge of the requirements of the position he has applied for, we request them to give us a confidential evaluation of him on a school-prepared form. We are particularly interested in the applicant's physical health, emotional stability, sense of values, understanding of child development, quality of voice, attention to grooming, loyalty to profession, cooperation with co-workers and administration, ability to work with parents and community, general education, special knowledge, interest in professional growth, ability to plan and guide learning experiences of pupils, and skill in discipline.

All instructional personnel are employed on a written contractual basis, and selection is subject to approval by the board of education. Noncertificated personnel are

employed by the school administration on a monthly basis and without written contract.

After a person has served successfully for three years as a member of the instructional staff he is eligible for subsequent five-year contracts. It is clearly understood that one-year contracts are not considered probation periods.



In the Waco school district the principal-teacher conference is an important part of the plan for evaluating teaching services. Here one of the high school principals and a member of his faculty confer.

*personnel
selection
practices*

Manhasset Public Schools Manhasset, New York

● 150 certified staff members

GOOD TEACHERS have never been too plentiful. With the present numerical shortage of all teachers their ranks have shrunk still further. To know where to look for these superior candidates, to judge the ones best suited for a particular school system and then to keep

them functioning in the same organization requires cooperative effort at all levels—policy-making, administrative and teaching.

Where to look?

Here in Manhasset the letters of application which daily cross the desk of the superintendent occasionally turn up outstanding people. Present members of the teaching staff maintain contacts with those in other schools and notify them of existing vacancies. College placement bureaus and private school organizations have always been important sources of good material and

by RAYMOND L. COLLINS, superintendent
of schools



A Manhasset junior high school faculty council discusses a problem with the physical education department. New teachers as well as senior staff members take part in such committee work.



A candidate is interviewed by a Manhasset team. The interview has two purposes — to acquaint her with the policies of the local system and to allow them to judge her probable teaching success.

never more so than at present. The superintendent makes an annual trip to various sections of the United States to establish contacts with these agencies, to interview candidates and to study recruitment practices in different areas. This technique helps free the school from dependence on the local teacher supply and makes for a more diverse faculty.

Because desirable candidates not only are interviewed but are generally desirous of doing some "interviewing" of their own, the superintendent finds it helpful to show them printed materials describing the school system and the community of Manhasset.

Schools work together to fill vacancies

There remains one other method recently adopted by Manhasset and some of its neighboring school systems. These superintendents pool information concerning vacancies and applications. Then if one of them, in looking for an algebra teacher, for example, finds more than one good candidate, he knows which of the other schools also need an algebra teacher. Or, when he travels to look over applicants in colleges or placement bureaus he takes along a list of positions needing to be filled by the others. This program has only recently begun to operate and is already producing good results.

Selection of teachers actually takes place during the time the candidate has been sought, interviewed and has worked for three years, since it is only after three years that a teacher becomes a permanent staff member. During the early stages of selection, the application blank is

a time-saver for both the prospective teacher and administrator. It should contain certain basic information about the teacher's personal background, training and experience as well as whether or not the teacher has traveled, is widely read, active in his profession, etc.

Reimburse interviewees who must travel

A screening committee for both elementary and secondary education goes over these application blanks to determine whether or not an interview would be profitable. If the candidate must travel a great distance for this interview, funds are sometimes made available to help defray the expenses. The interview has a two-fold purpose: to acquaint the candidate with the local system, its philosophies and policies; and to provide an opportunity for the interviewing committee to know more about the personality and probable teaching success of the candidate. Recommendation request forms are sent to selected persons agreed upon during the interview. After a careful evaluation of these recommendations, visits by principals and others are made whenever possible to observe the teacher in his own school system. This applies to experienced as well as to practice teachers.

When the final decision to employ the candidate is reached, the superintendent makes the recommendation to the board of education, outlining the candidate's qualifications and placement on the salary schedule. Since a contract is not necessary, a letter is then sent to the teacher informing him of the date his appointment

begins, the salary, the specific teaching assignment and the requirement for a physical examination. Before he actually starts to work, the director of school-community relations sends him current material of interest to help him better understand the local schools.

Acquaint new teachers with community

The orientation of all new personnel begins before school opens in September and continues throughout the year. The School Community Association works closely with the school-community relations director in helping the new teacher find housing and get acquainted in the community. During the two-day orientation period before the opening of school the teacher gets a good look at his new community by means of a guided tour, consults with his individual principal, becomes acquainted with the directors and resource persons and has a chance to see and organize his own classroom.

During the year a series of meetings are arranged with the directors of the curriculum service center, school-community relations and curriculum to explain the various resources of the school that are available to teachers. There is also a meeting on the philosophies and practices of the school system.

Since personnel turnover is relatively small, it is possible for senior teachers to help new staff members better understand the school's program and philosophies. The willingness of experienced members of the staff to perform this service has made new teachers feel them-

selves a real working part of the faculty very early in their employment.

During the three-year period before teachers are finally selected, they are evaluated by the principal and indirectly by their colleagues as members of the professional team. The principal very early in the semester gives specific classroom help to the teacher whenever needed. Since the teacher is entitled to know at all times if he is making a satisfactory adjustment to his position, this is the responsibility of the principal. Through the inservice training program of workshops and teacher curriculum committees, the new people have an opportunity to make a contribution, as well as to learn better educational practices.

Adequate evaluation is safeguard

Only those teachers who appear to have an excellent chance of achieving permanent tenure status are placed on third-year probation. Since tenure laws are extremely rigid, it is important that both the teacher and the community are protected by fair and adequate evaluation procedures.

The rewards of such a program are evidenced in high teacher morale, good school-community relations and improved educational procedures. When all levels of an organization are compatible and when lay policy makers, professional teachers, administrators and citizens work together to improve schools and community a better atmosphere for learning is created.

*personnel
selection
practices*

New Canaan Public Schools New Canaan, Connecticut

• 104 certificated staff members

THE PROBLEM of teacher procurement has forced the superintendent into the role of a Diogenes who has the wisdom of Job. For most superintendents the question has become how to get more than their fair share of superior teachers from a quantitatively limited market.

Attractive communities with excellent salary schedules and personnel practices may be more successful than less fortunate communities, but this is relative since other attractive communities also are competing vigorously.

The reward for the superintendent in the present highly competitive teacher procurement market may be ulcers, grey hair or no hair, or prestige, security and happiness depending upon the results obtained.

Community understands need for good teachers

We approach the task of attracting new teachers to our schools in all seriousness, recognizing that the excellence of our program will be directly affected. It is imperative that the community understands the problems involved and is willing and eager to provide conditions which will enable the superintendent to secure the kind of teacher most parents want for their children.

To insure unanimity of town and gown, the board of

by ALBERT P. MATHERS, superintendent of schools



New Canaan Advertiser photo

Recruitment begins early in New Canaan. Here two high school students consider teaching careers by visiting a New Canaan elementary school classroom.

education asked a group of citizens to cooperate with it and the school administration in preparing a list of characteristics most to be desired in a teacher. In essence, the group specified that new teachers should be healthy and well adjusted men and women who were competent, self-reliant, understanding, tactful, creative, enthusiastic, adaptive and career-minded.

The conditions necessary to attract and retain such teachers were then studied at length. The findings resulted in many improvements necessary to make the community known and attractive to high-calibre teachers. Included in the latter program were the raising of salaries, reducing the number of pupils assigned to each classroom, raising the academic standards and decreasing those demands upon teachers which lessen the effectiveness of classroom teaching.

What's good for general pupils . . .

Since the welfare of the pupil and teacher are inextricably interwoven, the stress has always been on pupil benefit and welfare. We share Charles Wilson's viewpoint when we paraphrase "if it's good for the pupil, it's good for the teacher"—an unselfish rationale which can be appreciated in enlightened communities.

If necessity dictates fiscal retrenchment, the best interests of pupils are advanced by finding some compromise other than withholding opportunities or salary gains from teachers. Accordingly, full credit for military service is granted and thus many fine candidates have been wooed away from competing communities having comparable salary schedules. Full credit is also given for teaching experience elsewhere. There is no question that such practices cost money, but if the desire of the community to attain superiority in education is also backed by understanding and willingness to pay the costs, great progress is possible.

Our board of education feels a moral obligation to treat beginning teachers as it would treat experienced teachers. Although Connecticut does not have a tenure law at present, all our teacher contracts contain a "due

cause clause" regardless of the number of years of service in our schools. This has increased security and heightened teacher morale. At the same time, no teacher separated from the system during the past nine years, whether new or experienced, has appealed the board's decision not to renew his contract.

Job specifications are mailed to all sources which recommend teachers so that the agencies and potential candidate may know whether he can qualify. We ask the agencies not to recommend teachers unless they feel they will meet our standards. Only institutions and agencies which carefully screen candidates are used. Those agencies which have not been found effective are gradually dropped from the list. Visits are made as often as possible to keep the name of our community fresh in the minds of those who are in key positions to assist us with teacher procurement.

We feel very strongly that our teacher-procurement problem is a two-way street; that we must have candidates who meet *our* requirements and who are equally convinced that we meet *their* requirements. As an example of the latter point, we are not happy to employ older teachers from other states who will forfeit too many years of retirement credit unless our higher salary will more than compensate for their loss.

Make local attractions known to candidates

Teachers are often attracted to a community because of the schools or its staff or the appeal of shining new buildings, the tone of the interviews, the friendliness and philosophy displayed or expressed by teachers within the school. Most of these factors, however, are not assessable until the first interview in the local community. Therefore, one of the first steps is to bring the town and its schools to the attention of prospective candidates and educational agencies.

A real program of public relations assists greatly. One of the most effective methods is to place illustrated brochures about the community and the schools in all placement offices and teaching agencies. A citizens committee

is now at work on a pamphlet which will tell our story and, we hope, "sell" our community. The committee, headed by the editor of the New York *Herald Tribune* Sunday Edition, expects to finish its task before this symposium is published. A reasonable number of brochures will be reserved for superintendents who request copies.

The selection of new teachers is shared at every step by the superintendent, the principals and, on the elementary level, by the elementary supervisor. The candidate is interviewed in his community and New Canaan and is observed while actually teaching. If distance precludes observation of the candidate in his own community, we arrange to have him conduct classes for a day or two in New Canaan. No teacher is recommended for appointment without classroom observation unless circumstances, such as a summer resignation, make this impossible. Then, appointment is made on the basis of the interviews and we hope that our impressions have been valid.

The participation of the principal and other key personnel is very important. The concurrence of all concerned is essential. No principal likes to have a teacher assigned to his building unless he has participated in his selection and has endorsed the candidate.

Keep list of pertinent information

During our interviews, we stress those points which experience has shown are most informative to the candidate. A pertinent list is kept at hand or in mind to insure complete coverage. Several interviews or visits are desirable. Quite often the favorable impressions of a first interview are modified subsequently when the candidate has "lowered his guard." In fact, the first interview is designed mainly to establish rapport with and get impressions of the individual and not to make final judgments. Because of our policy of classroom observation, most candidates come from the northeastern section of the country. However, many states are listed on our roster and trips up to 2650 miles have been taken to interview candidates. While in the candidate's community, we visit both the superintendent and principal whenever possible. Such visits often yield far more pertinent in-

formation than we could obtain by correspondence.

Not all communities have the advantage of as fine a geographical location as New Canaan. We are between New York City and New Haven with their cultural attractions and many fine universities. We stress these facts and as many other favorable points as possible. We emphasize that teachers are not compelled to teach "our way," that there are many roads to success in the classroom, that courses of study are guides and not straight-jackets of conformance. Beginning teachers, however, are cautioned to follow suggested outlines for a year or two before venturing too far from the accepted courses of study.

Don't conceal disadvantages

The disadvantages must be faced just as squarely and are discussed even though the candidate may be lost to us because of them. We feel it is better not to award a contract at all than to receive a resignation a year later from a teacher who is unhappy because he was not fully informed. At the moment, we are surveying the new teachers who joined our staff last September to determine what factors were most important in their decision to accept the position and whether the position now appears to match their earlier expectations. This should be of great assistance as we talk to future candidates. Since no identification of individual teachers is possible, we hope for completely candid expressions.

Although job retention is not a part of this topic, we feel that it is closely related. In fact, the first and most effective practice in teacher procurement is to prevent teacher resignations for avoidable reasons. Some school systems lose as many teachers unnecessarily as they do because of retirement, ill-health, marriage or other justifiable reasons. If this is the case, a careful examination and revision of all personnel policies may be in order.

Nearly all superintendents will agree that the real job of education goes on in the classroom and that the quality provided will depend largely upon their ability and that of their associates to staff those rooms with gifted teachers.

E. J. Cyr

The first interview with New Canaan applicants is designed mainly to establish rapport. That seems to have been accomplished with this young candidate, second from left, as she meets with superintendent, principal and staff members.



Report from Denver

White and Anderson Urge Administrators To Press Science Study in Atomic Age

DENVER—American school superintendents were asked by two major speakers at the AASA western regional convention, March 12 to 16, to help encourage talented students into careers in science.

Gen. Thomas D. White, vice-chief of staff, U. S. Air Force and Sen. Clinton P. Anderson (D.-N. M.) showed concern for the shortage of scientific manpower needed in production for both national defense and peace.

"Our most serious internal problem within the U. S. Air Force is the shortage of superior people—trained, experienced, skilled technicians and operators," General White told the group.

He added that American industries and school systems are feeling the same shortages.

"We suffer seriously from a lack of teachers, particularly science teachers," he continued.

"I was astonished to read a newspaper editorial recently which stated that last year American colleges produced only a little more than 200 persons qualified to teach physics in high school."

Educate for responsibility

The Air Force vice-chief of staff outlined two broad types of education to help prepare students for "the responsibilities of the mature years."

First, young people need education which helps them to understand "the realities of national power," including U. S. world leadership and national defense, in the air and atomic age, he declared.

Second, General White urged education to "prepare them to serve their nation during the indefinite period of international tensions."

Senator Anderson expressed similar sentiments in a major address to the administrators.

He declared that the great amount of mail from school children which comes to the Atomic Energy Commission and the Congressional Joint Committee on Atomic Energy "suggest two things."

"First, the children now in school have a vast interest in atomic energy."

Second, the senator from New Mexico asked the school administrators to go home and begin the difficult task of recruiting scientists.

"... A nation competing in the atomic age must have oncoming crops of inquiring minds steeped in science."

He listed simple tools and experiments for schools, giving as example Geiger counters, "simple to assemble, ... made in inexpensive do-it-yourself kits for New York City Schools."

Ernest K. Lindley, director, Washington Bureau of *Newsweek*, described present fundamentals of American foreign policy under the Eisenhower Administration.

"They are essentially what we had before: collective security, coexistence and containment."

He analyzed our current policies and opinions about Red China and the Formosa issue in particular.

"It is very hard to believe that the Chinese Communists are so venture-some, or can be so stupid as to force the issue in the Far East—especially when an honorable and profitable al-



Anderson



White

ternative is clearly charted for them," he concluded.

"If they choose war they will gain nothing and might lose everything. However, we cannot assume that we are dealing with men of sober judgment."

"There are disquieting indications that they have been deluded by their successes in Indo-China and elsewhere and by what they have advertised to their own people and to the rest of Asia as a victory for them in Korea," he warned.

Buildings on display

One exhibit which attracted much attention was the architectural display of entries in the AASA-AIA school building competition.

The exhibit included a display of models, photographs and drawings of 45 school buildings entered in the exhibit from Rocky Mountain and western states (see *News and Views*, page 11).

Addressing the convention on March 14, Willard S. Elsbree, professor of education, Teachers College, Columbia University, New York, listed four "essential elements" needed to secure optimum results from the professional staff.

1. "creation of an administrative structure that encourages close work-

ing associations among individual members of the staff and between superintendent and staff

2. "clarifying the functions delegated to personnel," defining responsibilities as well as limits of authority and role in decision making

3. "development of a sound program of public relations

4. "provision of high quality leadership on the part of the superintendent of schools."

Speaking on "How Well Are the Schools Meeting the Needs of Today?," Kenneth E. Oberholtzer, superintendent of Schools, Denver, emphasized that answers to this question "should be sought continuously as a part of the responsibility that citizens and educators share with respect to their schools.

"I submit that no one criterion, no one method of appraisal, can give us a satisfactory answer," he added.

As at the central regional convention in St. Louis, February 26-March 2, and the eastern regional in Cleveland, scheduled for April 2-6, administrators attended discussion groups and clinics on school finance, teacher recruitment, desegregation, school building and maintenance, school-community relations and district reorganization.

They attended breakfasts held by the states of California, Colorado, Kansas, Nebraska, Oregon and Texas; and luncheons sponsored by schoolmaster divisions of Kiwanis, Lions and Rotary Clubs.

Corp. Donates More Money To Schools After Taxes

NEWBURGH, N. Y.—The New York Trap Rock Corporation, located in this city, has offered to donate an additional 1 percent over its present school taxes to secure more teachers and improve teaching levels in communities where it operates or owns property.

This would benefit six large-sized Hudson Valley towns if their boards of education accept the offer.

In making the donation, the corporation told the Newburgh board it hopes other large companies will follow suit.

Laymen Invited to ASCD Conference

To Help "Develop Best Possible Program"

CHICAGO—Approximately 75 PTA members and other non-professional leaders, including members of boards of education, joined the 3,000 teachers, supervisors, administrators and professors attending the tenth annual conference of the Association for Supervision and Curriculum Development here recently.

Working in nearly 100 various interest groups, all seemed concerned with actual ways and means of giving classroom teachers and parents a vital role in curriculum planning.

"Competency in teaching methods is not enough," said Nolan C. Kearney, assistant superintendent of schools, St. Paul, Minn., in reporting the conclusion of a discussion group which he led.

"We need lay participation to develop the best possible program, and to practice in our respective communities the basic principles upon which our democracy is established."

Lay committees must recognize that their function is advisory rather than official, attending curriculum directors emphasized.

Laymen must know, however, that their recommendations are carefully considered and are affecting the decisions being made, they explained.

No relationship was felt to exist between the way a lay committee is organized and the degree of its success.

Decry "faceless informers"

Conference resolutions dealt with 1. the menace of "faceless informers", whose testimony is said to have jeopardized many competent professional teachers

2. ways and means of supporting and implementing the decision of the U. S. Supreme Court on desegregation of schools

3. various matters of organizational procedure.

Spokesmen for the Association reported that considerable attention has been paid to materials of instruction and to the evaluation of courses of study and curriculum guides, especially to a collection of about 1,000 curriculum bulletins classified and displayed so that conference members could read and examine them freely.

Concern has been expressed rather generally, they declared, about the

probability that new teachers, in many communities, may soon be entering the profession without the desirable standard of pre-service preparation.

Several discussion groups considered better programs of inservice education, and better methods of giving helpful leadership to these new teachers.

Work on problems

Among the serious practical problems on which the conference worked were: Should foreign language be introduced into elementary schools? What is the role of TV in education? When and under what circumstance should pupils be grouped according to ability? What is the role of "competition" in the classroom? Should marks be assigned on a comparative-achievement basis?

Gordon N. Mackenzie, professor of education, Teachers College, Columbia University, was installed as president for 1955-56.

Dr. Mackenzie succeeds Prudence Bostwick, supervisor, Denver public schools, 1954-55 president. Robert R. Leeper, ASCD associate secretary, was named editor of the ASCD journal, *Educational Leadership*.

Average Teacher Leaves School After Ten Years

WASHINGTON—Statistics show that the average teacher remains in the profession about ten years, U. S. Commissioner of Education Samuel M. Brownell declared recently.

This means administrators have to replace about ten percent of our total teaching force each year, Dr. Brownell told the House committee investigating federal activity in education (Gwinn committee).

Bob Hart, English teacher at Wilson High, Verona, Va. and father of four, was interviewed by Ladies' Home Journal in Oct., 1954 schools issue (story below). Peak salary future holds for him is \$3,400. Despite hardship, he feels "... Somehow it seems unethical to talk about low salaries, and we can't go out and strike ... A good life is more important than money and I'm happy teaching English, living in Verona."



Ladies' Home Journal photo by Erich Hartmann

End of '54 Saw 134 Articles on Schools In Lay Magazines, ERS Reports

WASHINGTON—The total number of articles on education in lay magazines has passed the 100 mark for the first time in a three month period, reports the Educational Research Service NEA.

ERS records show a total of 134 articles on school program, progress, problems and potentialities for the last three months of 1954.

While "an unusual number pertain to school sports, particularly college football, . . . other aspects of education are generously represented," the study shows.

A large amount of articles dealt with questions most frequently raised today about modern school methods and procedures.

"In general, the discussions are not attempts to defend the schools.

"They explain teaching methods and theories, analyze school problems and recognize shortcomings and failures," ERS reports.

Two "especially significant treat-

ments" of this topic were published in the final quarter of last year. *Atlantic* began a series of articles (see April, Spotlight, page 112) while *Ladies' Home Journal* devoted most of the October issue to the schools.

Other articles covered desegregation; local enterprise; personalities; how-to-do-it (containing suggestions as to how some school problems might be approached and maybe solved) and higher education (touched on by over one-fourth of the articles noted).

Congressman Wants Text Using Ex-Reds' Testimony

WASHINGTON—A Democratic congressman has introduced a bill asking for a textbook on communism based on the sworn testimony of Communists, ex-Communists, and those who know their activities.

Rep. Daniel J. Flood of Pennsylvania wants a commission to go over the testimony taken by Congress in recent years and boil the material down for class use.

The use of such a text would make clear the evils of communism, he reasons, stating that teachers and college instructors would not hesitate to use the book.

Rep. Flood has made no provisions as to what to do with the testimony of ex-Reds who have since claimed they lied under oath, reports the Educational Press Association.

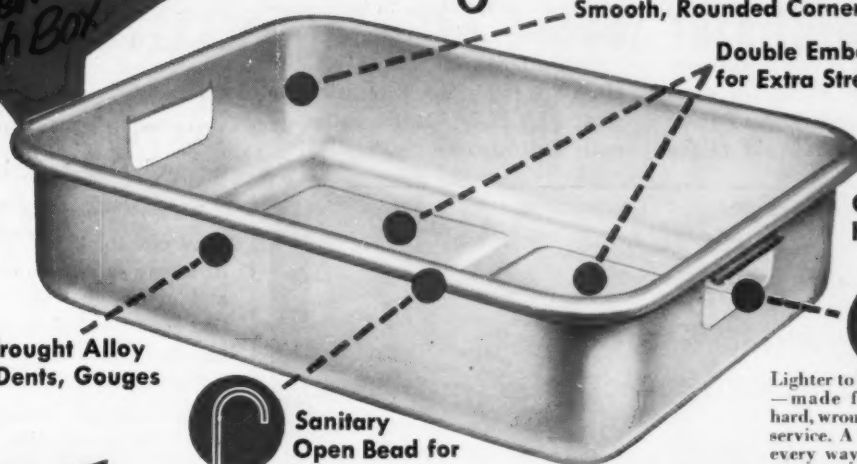


Ed Hough of Trenton, N. J. taught school for several years. Neighbors called him "born teacher." Turning point was inability to afford snow boots for eldest of three children. "\$1,000 more a year (he earned \$3,700) would have made all the difference" he declares. He now owns a gas station; told the Ladies' Home Journal he doesn't mind getting his hands dirty "because now I can go home and hand Lilli a few bucks and she doesn't have to worry about making one-half pound of hamburg stretch to cover two meals." He has time for community activities and leisure (story above left).

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sistant Alumilite
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handle and wide,
smooth-pouring lip
make this new stain-
resistant urn cup a
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SPOTLIGHT

Middle-Road Law Predicted On School Building Aid

WASHINGTON — The Educational Press Association reports that most observers of current Capitol activity on federal aid for school construction expect some type of act to result from all the discussion.

"The best guess is that it will combine provisions to encourage states to issue more bonds and to make available some grants-in-aid to the

poorer school districts," the association reports.

The subject of school construction aid is predicted here as a strong election issue of 1956.

Nearly four dozen bills on school construction were introduced in the House and Senate, with most seeking to put into effect the President's plan of federal-state-local grants and loans to encourage the states to issue more school bonds, and help themselves.

On the other side, Sen. Lister Hill (D-Ala.) wants the government to grant \$1.0 billion to the states directly for classroom construction.

As THE SCHOOL EXECUTIVE goes to press, the Senate Labor and Public Welfare Committee has concluded its hearings and its House counterpart, under Rep. Graham A. Barden (D-N. C.), is now studying the proposals (see page 157).

For further information and background material see the following past issues of THE SCHOOL EXECUTIVE: March, Pages 119, 160; April, pages 9, 156, 157.

PTA Pushes for "Good" School Construction Bill

WASHINGTON—The National Congress of Parents and Teachers added its strong support to other educators and laymen who call the Administration plan insufficient to meet school building needs.

The Congress called upon local PTA's to press their Congressmen for immediate preparation and passage of "a good emergency school construction bill," it was revealed by Mrs. Newton P. Leonard, national president.

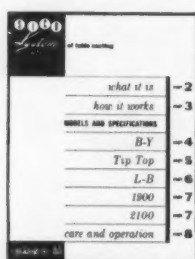
At the same time, Mrs. Leonard stated that most of the school construction aid bills introduced in the 84th Congress, including the present form of S.968 (the plan proposed by President Eisenhower in February), are regarded by her group as inadequate to meet PTA requirements for a "realistic program that can, and will, aid the critical situation facing the country as a whole."

9 million members

The National Congress, with headquarters in Chicago, represents nearly 9,000,000 members in 39,000 local PTA units across the country.

"The situation has gone far beyond meager measures," Mrs. Leonard said today. "The classroom shortage is critical in nature and national in scope."

Emphasizing that the PTA stand is strictly nonpartisan, Mrs. Leonard today released for publication details of a letter of information, with background materials, now being sent by Mrs. Clifford N. Jenkins, national chairman of legislation, to all state



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KUEHNE

SAY (KEE-NEE)

WORLD'S LARGEST
MANUFACTURER OF
TUBULAR FURNITURE

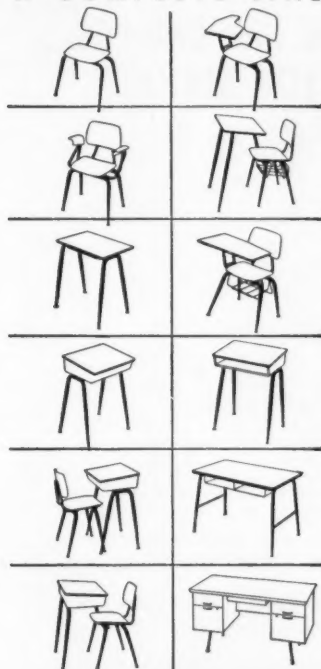
Announces entry into the *school* furniture field!

Guided by thirty-two years' experience in the manufacture of tubular and plastic furniture... plus full confidence in its ability to meet all modern demands...

Kuehne now produces a complete line of fine school furniture. This can be of definite benefit to you because, by simplifying design without sacrificing beauty or durability, Kuehne takes full advantage of its extensive facilities to manufacture top quality items *at the lowest possible cost*. Investigate before you buy!

Book Box Combination... chair and desk combined. Desk top (18"x 24" G. E. Textolite Plastic on 13-ply hardwood core) fastened to book box with heavy piano hinge. Lid lifts easily and falls slowly; not affected by atmospheric conditions or temperature.

A COMPLETE LINE



MODERN DESIGN...BEAUTIFUL STYLE...LONG-LIFE CONSTRUCTION...PRICED IN YOUR BUDGET RANGE

Incorporated in every piece of Kuehne furniture is the durability, versatility and comfort required by schools today. It is light and easily moved; 1 1/4" tapered legs have chrome-plated, rubber-mounted, ferrule type, self-leveling glides. Most units can be stacked, nested or grouped to simplify storage or gain free space quickly. Interchangeable parts assure easy adaptation to any classroom need... and all designs are closely related for perfect harmony in any combination. Here is the furniture for *your* classrooms... made right and priced right. Wire, 'phone or write for free copy of fully illustrated brochure... and compare!

KUEHNE MANUFACTURING COMPANY • MATTOON, ILLINOIS

DISTRIBUTORS: Several choice territories for Kuehne School Furniture are still available. Inquiries are invited.

air pilots

SE-340



polar bears



indians



Joyful
Versatile
playground equipment
for the modern school
for complete catalogue
write

**PLAYGROUND
ASSOCIATES**

5 E. 10th St., New York 3, N. Y.

SPOTLIGHT

PTA legislation chairmen.

In this letter, chairmen are reminded that the House subcommittee on education is holding hearings to discuss bills that have already been introduced, of which there are more than ten currently before the House and Senate.

"There may be a chance to get a good bill out of this committee," the letter suggests. "This is the time when letters should go from local units, or from state board members in the district, to impress your congressmen with the interest back home.

"The request should be for a *good* bill coming out of the many ideas included in the various bills. There are good bills before the committee and many excellent plans, so that out of the many ought to come ONE VERY GOOD bill [capitals in original]."

In its present form, S.968 does not have the support of the Congress,

according to the letter, because it is too involved and slow-moving to meet needs for "a realistic program that can, and will, aid the critical situation facing the country as a whole," and because it does not come up to standards of PTA policies, which serve as guides in legislative action.

Federal aid policies

These policies, as printed in the organization's legislation program, provide for federal appropriations for school construction after approved surveys have been made and under the following procedures:

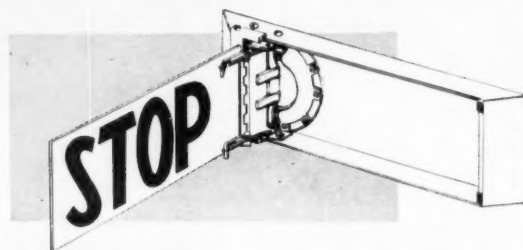
1. channeled from the U. S. Office of Education through state departments of education to the local units of administration;

2. made available to the states on the basis of an objective formula that would take into account both the need for school facilities and the relative ability of the states to meet such a need;

3. allocated so as to encourage states to set forth principles for

SE-341

PROTECT YOUR CHILDREN with CAMPCO'S VACUUM-POWERED STOP SIGNAL!



See that your School Board or other appropriate authority knows the CAMPCO features that reduce accident hazards.

- Vacuum-Power . . . that never fails. In any emergency, half a second brings out the command STOP.
- Finger-Tip Control—An easily operated valve close to the steering wheel saves hazardous seconds of a driver's time.
- Weather-protection—In sleet, mud, any weather condition, the CAMPCO sign comes out clean to command STOP.

Eliminate obsolete signals that cause accidents. Write today for Brochure No. 150 that completely illustrates the CAMPCO Stop Signal story.



CAROLINA METAL PRODUCTS COMPANY
2222 SOUTH BOULEVARD • CHARLOTTE, NORTH CAROLINA



**you can feel like a king
when you clean with Clarke**

For your floor maintenance you deserve dependable, guaranteed, job-fitted floor care equipment, coupled with real service and fair price.

From Clarke's complete line of high quality floor maintainers and wet-dry vacuum cleaners you can choose your exact requirements. Clarke floor maintainers scrub, wax, steel-wool, disc sand, grind floors and shampoo rugs and carpets.

Clarke vacuum cleaners pick up wet or dry — provide facilities for fast, thorough cleaning from basement to attic.

To keep your floors clean, safe and bright, ask your Clarke dealer for a demonstration.



Clarke

Your copy FREE! Write today for colorful, 22-page "Your Floors and How to Care for Them."

SANDING MACHINE COMPANY

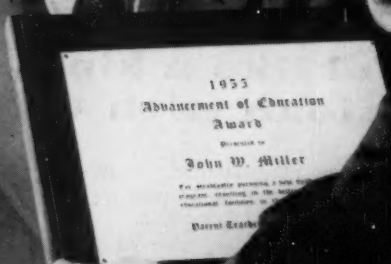
551 E. Clay Avenue Muskegon, Michigan

Authorized Sales Representatives and Service Branches in Principal Cities

Distributed in Canada:
Clarke Vacuum Cleaners: G. H. Wood & Co., Ltd., P.O. Box 34,
Toronto 14, Ont.

Clarke Floor Maintainers:
Strongridge Ltd., 124 Weston St., London, Ont.

TRIAL . .



• • • OR TRIBUTE ?

We know you will plan the best in classrooms . . . in cafeterias and home economics departments . . . laboratories and libraries . . . vocational rooms and athletic fields.

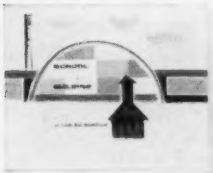
For that progressive planning, take a well-earned bow.

But *will* you insist on adequate wiring in your schools?

Or will you ask your architect to cut costs . . . where costs mean *safety* through modern electrical devices? *Dependability* through uninterrupted power, day in and day out? *Flexibility* so that future enrollments and expansion can be met electrically with minimum expenditures?

These are elements your architect knows . . . understands . . . will plan in. He's the expert. Accept his recommendations, and today's tribute will not be tomorrow's trial.

WRITE TODAY



Ask your architect about the new Westinghouse schoolbook, covering the "why" and "how" of modern electrical practices. Or write for your copy of B-6521. Westinghouse Electric Corporation, 3 Gateway Center, P. O. Box 868, Pittsburgh 30, Pennsylvania. J-94042

YOU CAN BE SURE...IF IT'S
Westinghouse



equalizing the distribution of state and federal funds, giving special consideration to school administrative units with relatively low financial resources and to areas especially affected by rapid and substantial increase in school-age population;

4. minimum federal and *maximum local control* [italics in original].

Efforts by the National Congress of Parents and Teachers on behalf of "temporary, emergency legislation to meet the present crisis" have included two statements by Mrs. Jenkins, presented at the January 27 and February 21 hearings of the Senate Committee on Labor and Public Welfare, and a letter sent January 21 to all members of the 84th Congress by Mrs. Leonard.

This stated: "The needs of children can not wait! Children can not be placed in a storehouse with the caption, 'Do not grow until we have classrooms ready for you.'"

Bennion Committee Finds No Need for Federal Aid

WASHINGTON—"We have been unable to find a state which is economically unable to support an adequate educational system," the Committee on Federal Responsibility in the Field of Education is reported to have advised its parent Commission on Inter-Governmental Relations.

According to the *New York Times*, which reprinted part of the report not yet made public, the recommendation flatly declares that federal aid for school construction "is not necessary". (See page 157)

Other recommendations would have the Federal Government:

1. gradually withdraw from support of the school lunch program.
2. sharply curtail aid to vocational education.
3. give no support to community libraries.

There is evidence that minority views have been submitted to the commission which is scheduled to



A unique PTA-sponsored visual-aids program at Indian Landing School, Brighton, N. Y., brings special knowledge and skills of parents into curriculum. Left, PTA a-v Chairman Norman Salmons takes notes on operation of 16 mm projector. Below, Principal Katherine Spellane examines simple flash camera that can produce slides.



WET?

Never mind...it's
Samsonite
—the folding chair with
the weather-proof
"AUTOMOBILE" FINISH!

And that means it resists rusting, scuffing, or fading—just like your car. It's one of many reasons why group seating experts choose Samsonite *first*...why Samsonite is America's public seating favorite, by millions!

Only Samsonite gives you all these EXTRAS AT NO EXTRA COST! Tubular steel construction • Easy, one-finger folding • Safety-Guard Hinges • Compact storing • Posture-Curved Comfort • Won't tilt or wobble • Low in cost.

SPECIAL QUANTITY PRICES from your Samsonite Distributor; or write us. Ask for our new *Free* booklet: "How to Save Money on Public Seating."

WRITE FOR SAMPLE CHAIR on your letterhead. Try it, test it. No obligation.

LOOK FOR THIS SEAL on the back of your folding chairs. It identifies a genuine Samsonite chair.



Samsonite

...the folding furniture that's **strongest...lasts longest!**

SHWAYDER BROS., INC., PUBLIC SEATING DIVISION, DEPT. F-4, DETROIT 29, MICHIGAN
Also makers of famous Samsonite Luggage...Card Tables and Chairs for the Home...Classroom Furniture

SE-344



SAMSONITE ALL-STEEL FOLDING CHAIR
Six smart colors.
Model #2600

NEW LOW COST FOLDING CHAIR has compound curved back and 5-ply wood seat for extra durability. Newly designed seat support of rugged tubular steel, same as the frame, insures extra strength and serviceability. Model #2075—folds thin, stores compactly.



NEW SAMSONITE BANQUET TABLE opens quickly, smoothly. Foolproof leg locks. Folds to just 2 1/2" thin! Masonite or Lifetime Plastic tops. 6 ft. (#4600); or 8 ft. (#4800) lengths.

SPOTLIGHT

submit its recommendations to the President on June 30.

Ironically, the committee's recommendations come at a time when President Eisenhower's federal school aid program is under sharp attack as being inadequate for meeting current needs.

The commission was asked by President Eisenhower last year to recommend "whether there is justification for federal state-aid programs."

The Commission's Committee on Federal Responsibility in the Field of Education is headed by Dr. Adam S. Bennion of Salt Lake City.

Children's Bureau Adds Juvenile Delinquency Service

WASHINGTON—The Children's Bureau of the Department of Health, Education and Welfare now has a Juvenile Delinquency Service.

The service is staffed by four specialists, headed by P. G. Green, formerly with a San Francisco Juvenile Court.

Mr. Green promises "expanded service to the public and private agencies working on the nationwide juvenile delinquency problem," and bringing better statistics on children to the attention of the courts.

Bill Introduced to Aid Federally-Affected Areas

WASHINGTON—The all-out emphasis upon emergency schoolhouse construction has not turned attention entirely from the needs of federally-affected areas. Bills have been introduced to allow 27 school districts in fourteen states to receive nearly \$6.0 million in construction assistance to which they were entitled under Public Law 815.

Legislation is made necessary by the fact that the Commissioner of Education announced a "cut-off date" for applications for construction assistance, owing to the fact that he did not believe appropriations were sufficient to cover all requests

THE SCHOOL EXECUTIVE

A SIMPLE, EASY WAY TO TAKE ADVANTAGE OF U.S. SCHOOL MILK PROGRAM

**Government agency urges increase in
student milk consumption for better health**

Students drink more milk when it is available throughout the school day. For an example: when milk venders were placed in Chicago schools, children consumed 70% more milk; in a Woodstock, Illinois, school with 660 students, 400 one-half pints were vended daily; and, 240 students in a Wisconsin school consumed 2800 full pints in one month. With an Ideal Milk Vender in your school, healthful, dairy-fresh milk is made available to students during all out-of-class moments. It is dispensed refreshingly cool under sanitary conditions. A coin-operated Ideal Milk Vender operates efficiently—needs no attendant. Its dry refrigeration completely eliminates watery messes.

Investigate now how an Ideal Milk Vender increases milk-drinking among students, and pays for itself under the new U. S. School Milk Program.



Model 70M



Model 300-M

For complete information on how you can have an Ideal Milk Vender as part of your U.S. School Milk Program, write today to:

Ideal DISPENSER CO. 

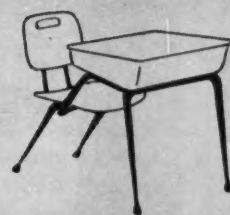
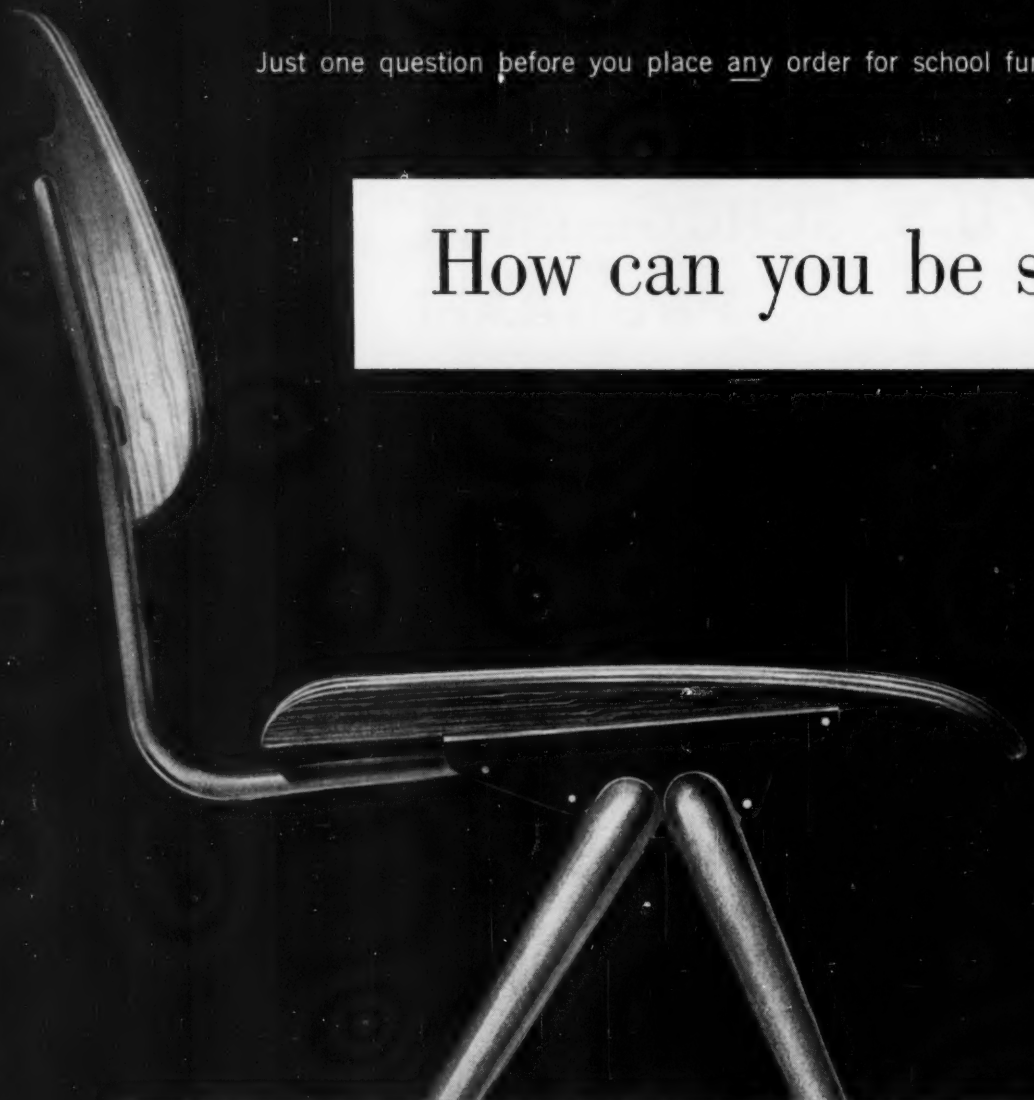
Dept. 1304 • BLOOMINGTON, ILL.

Factories in Bloomington, Illinois; Columbus, Ohio;
Ideal Vender Company of Canada, Ltd., Montreal, Quebec

**THERE IS AN IDEAL SELECTIVE VENDER
FOR EVERY SCHOOL REQUIREMENT**

Just one question before you place any order for school furniture...

How can you be sure



your classrooms will not be out-of-date the day the doors open?

On every hand we see evidence of the change in education as the architect expresses it in brick and steel. The change is becoming evident, too, in the interior of today's school building . . . in the methods of teaching and in the equipment and facilities these methods call for.

Architecture and teaching methods are, of course, basic to the modern school. But, unless you plan soundly in the selection of school furniture, your new school can actually be out-of-date the day the doors open. And what about your investment 10 or 20 years from today?

The furniture you buy *must* be the furniture that is designed to meet the challenge of change. It must be keyed to the classrooms of today . . . and tomorrow.

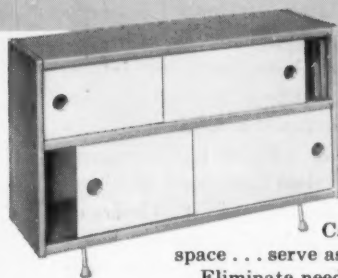
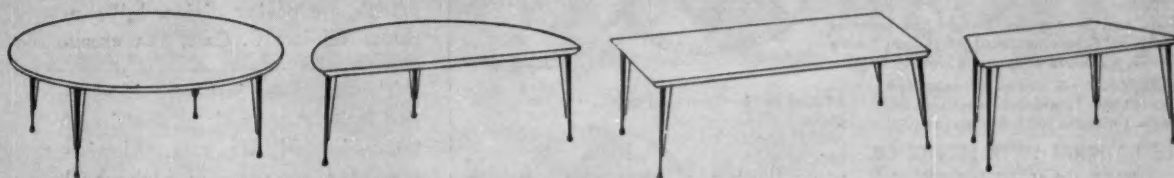
Because it is versatile, flexible and colorful, Brunswick School Furniture meets this challenge. It helps bring new meaning to classrooms. It creates a homelike, living room atmosphere that makes learning a dynamic experience. It does much towards personality development of the child . . . keeps spirits high, bright and eager.

Actually, Brunswick School Furniture does this and more. You owe it to yourself—and your school—to see and experience it first-hand. Your Brunswick representative can arrange this for you today.

And, let your Brunswick representative answer the question "How can you be sure *your* classrooms will not be out-of-date the day the doors open?"



Designed to meet the challenge of change!



BRUNSWICK Classroom
Cabinets provide valuable storage space . . . serve as room dividers or wall cabinets. Eliminate need for costly custom cabinetwork.

Brunswick

THE BRUNSWICK BALKE COLLENDER COMPANY
623 South Wabash Avenue • Chicago 5, Illinois

SPOTLIGHT

for funds from eligible districts.

Subsequently, it turned out that the funds were sufficient and a new "cut-off" date was established. Meanwhile, several school districts had proceeded with school construction under their own funds, even though they were eligible for federal aid.

Their re-applications for aid after the new "cut-off" date was announced would be acceptable, if the measures now introduced carry.

William G. Carr, NEA executive secretary, recently accepted an eight-panel silk screen sent to the teachers of the U. S. who contributed \$100,000 to purchase woolen cloth for Korean teachers. The presentation was made for Korean educators by Paul Comly French (left), executive director of CARE, distributor of the packages.



Harris & Ewing

SE-347



When A Big Store Buys A Cleaner—

Super Cleaners have always been the choice of the outstanding retail stores of America. Year after year department store buyers of maintenance equipment have looked at all the suction cleaners in the market and bought more Supers.

Every conceivable cleaning task that can be undertaken by a suction cleaner is included in the routine cleaning of a big store. Nobody else has a greater variety of cleaning jobs, nor any, more difficult.

Let a Super distributor show you how a Super, with its specialized tool equipment for your particular cleaning problems, can save you labor, time, trouble and money.

How Stores Buy Supers

Here are three typical examples out of many. (Names on request).

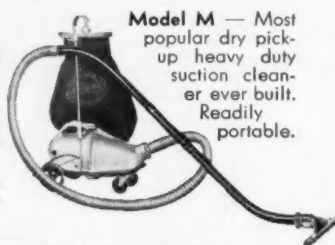
Chain No. 1—17 stores. Bought first Super in 1928. Total Supers purchased, 189. Bought 19 more in 1952, 14 more in 1953 and 16 more in 1954.

Chain No. 2—8 stores. Bought first Super in 1936. Total Supers purchased, 92. Bought 7 more in 1952, 3 more in 1953 and 4 more in 1954.

Chain No. 3—8 stores. Bought first Super in 1946. Total Supers purchased, 34. Bought 1 more in 1952, 6 more in 1953.

THE NATIONAL SUPER SERVICE CO.

1947 N. 13th St., Toledo 2, Ohio
Sales and Service in Principal Cities
In Canada: Plant Maintenance Equipment Co.
Toronto, Montreal, Vancouver



Model BP-1—Wet and dry pickup. Minimum noise. Motor cooled by separate dry air system. Stainless steel at slight extra cost.



"Once Over Does It"



SUPER SUCTION
SINCE 1911
"THE DRAFT HORSE OF POWER SUCTION CLEANERS"

Full Educational Benefits Go to GI's as of Jan. 31

WASHINGTON — Members of the armed forces in service as of January 31, 1955 will be entitled to full educational benefits under the Veterans Readjustment Assistance Act of 1952. This act denies benefits to service-men who entered military careers after that date, unless some subsequent legislation is passed.

Driver Education "Grads" Pay Lower Insurance Rates

WASHINGTON—Boys and girls who have successfully completed approved high-school driver education can now enjoy a 10 percent reduction on their car insurance, according to an announcement just made by the National Bureau of Casualty Underwriters, whose members are stock insurance companies.

"Driver education courses offered by 10,000 of the nation's high schools are paying dividends," concludes William G. Carr, NEA executive secretary.

The ruling on insurance is effective in 39 states and the District of Columbia. Similar rate reduction plans for graduates of high-school driver education courses have been put into effect in recent years by several mutual insurance companies.

"The recently announced plan indicates that preferred rates will be allowed for graduates of programs where the state department of education certifies that at least 30 hours of classroom instruction and six hours of practice driving instruction were

In America,

the word for Gentle Absorbency is

**FORT HOWARD
TOILET TISSUES!**



Speak up, Sergei . . . it's an open secret, anyway! Fort Howard Tissue Products *are* surpassingly soft, gentle and absorbent — but best of all, so economical! For example, the difference between an ordinary tissue service and Fort Howard's finest is just 7c per hundred users . . . an insignificant sum compared with the extra quality and comfort it buys!

Your Fort Howard distributor salesman will be happy to recommend the proper service for your requirements from Fort Howard's 18 grades and folds. Call him today!



FORT HOWARD PAPER COMPANY, GREEN BAY, WISCONSIN

*For 36 Years Manufacturers of Quality Towels,
Toilet Tissue and Paper Napkins*



A system of multi-purpose movable steel wardrobe racks with either a chalkboard (blackboard) or a corkboard (bulletin board for pictures, maps, etc.) back. These sturdy, welded furniture steel units provide: (1) Means for holding coats, hats, overshoes and lunch boxes in an efficient and orderly manner; (2) Chalkboards or corkboards to aid class instruction; (3) Efficient, large capacity, space-saving wardrobe units, that go wherever needed, fit any space, and permit complete flexibility in room arrangement.



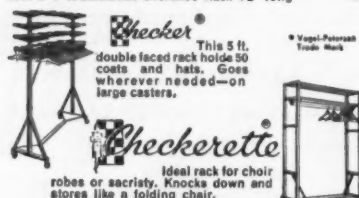
NO. CH-400 CHALKROBE
42" long, 28" deep, 6 1/2" high on glides (or 8 1/2" high on casters). Hat shelves and hanger bars are adjustable for height—accommodate every age group—(Hold 16 with coat hangers or 24 with coat hooks). Off-floor shelf for overshoes and 50" x 48" chalkboard.

NO. CO-400 CORKROBE same as No. CH-400 but with corkboard back.



WALLMOUNT WARDROBE RACKS—Mount permanently on any wall. Shelves adjustable for height in 2" steps (accommodate any age group). Hold 4 spaced coat hangers or 6 coat hooks per running foot. Units interlock to make continuous rack of any length.
No. AW-3 Wallmount Coat and Hat Rack 32" long
No. AW-4 Wallmount Coat and Hat Rack 42" long

WALLMOUNT OVERSHOE RACKS—Mount on wall at floor level... extend 11 1/2" out from wall. Interlock to make rack of any length.
No. B-3 Wallmount Overshoe Rack 32" long
No. B-4 Wallmount Overshoe Rack 42" long



Checker This 5 ft. double faced rack holds 50 coats and hats. Goes wherever needed—on large casters.
Checkerette Ideal rack for choir robes or sash. Knocks down and stores like a folding chair.

Write for Bulletin SL-51

VOGEL-PETERSON CO.
1127 West 37th Street • Chicago 9, Illinois

SPOTLIGHT

given" reports Dr. Carr.

"These are the minimum time standards recommended by NEA-sponsored national conferences on driver education held in 1949 and 1953."

Booklet lists criteria

NEA's National Commission on Safety Education has just published a booklet on *Criteria for Driver Education*.

"These criteria were formulated by a representative group of educators, including state directors of teacher education and certification, and mutual insurance interests," according to Dr. Carr.

The *Criteria for Driver Education* deals with minimum time standards, teacher selection and preparation, instructional materials, classroom and practice driving instruction, vehicles for practice driving and general characteristics of the driver program.

"Present driver education courses need to be improved and expanded," Dr. Carr said. "Only about 25 percent of the eligible high-school students are receiving both classroom and practice driving instruction in courses now offered by 7,000 high schools."

No program for 50%

"Another 25 percent of the eligible students, in 3,000 other high schools, are receiving only classroom instruction. This means that the remaining 50 percent, totaling about one million students, come of licensable age each year without having the benefit of any driver education program at all."

Since 1933 when a few high schools first undertook to teach driving, driver education has helped bring about a reduction in the number of deaths per hundred million miles of vehicle travel from 15.6 in 1933 to 7.1 in 1953.

"Many high schools operate complete driver education programs at costs averaging \$35 per student. This is a bargain price for an educational service that pays dividends in human

NEW! 'Sexauer' Monel Self-Locking bibb screw — 10 sizes do the work of 37! **NEW!** 'Sexauer' Easy-Tite faucet washer with Fiberglass reinforcing

This nylon plug locks the screw automatically!

NEW! Amazing, patented screw and washer combination cuts faucet washer replacements 75%

— with each leak eliminated, you reduce water and fuel bills up to \$28.80 quarterly

Most faucet washer failures are caused by wrong length screws. 'Sexauer' Self-Locking screws* and Easy-Tite washers* — used together — cut costly washer replacements 75%! You save up to \$28.80 quarterly in water and fuel alone with each leak stopped. Here's how...

A screw too short for the tapping distorts and splits the washer when tightened; the washer works loose, is torn to shreds. If too long, it can't grip the washer; this ruins the washer and causes hammering in the water line.

Simplifies fitting problem—cuts installation costs



NYLON PLUG 'Sexauer' Self-Locking screws eliminate the problem of misfit screws. They lock automatically at the required depth as the nylon plug is compressed in the faucet thread. The washer is not distorted, is held firmly.

You can re-use Self-Locking bibb screws repeatedly. Made of Monel, they resist corrosion, never rust; heads won't twist off, screw driver will not distort the slot.

Self-Locking screws save time spent in fitting the proper length—10 sizes do the work of 37! Used with new, Fiberglass-reinforced 'Sexauer' Easy-Tites, they cut washer replacements 75%, fixtures last longer. Easy-Tites resist closing squeeze and excessively hot water, outlast ordinary washers 6 to 1!

Water and fuel savings

One dripping faucet wastes 8,000 gals. of water yearly. A pinhole size stream increases waste to 8,000 gals. in a single month! Here is what you save quarterly in stopping just one pinhole leak on a hot water faucet:

	Fuel Saving	Water Saving	Total Saving
Oil (198 gals.)	\$22.77	\$6.03	\$28.80
Coal (2,469 lbs.)	22.22	6.03	28.25
Gas (21,103 cu. ft.)	21.20	6.03	27.23

Save water, fuel and labor costs; conserve costly fixtures by cutting washer replacements 75%! Use new 'Sexauer' Self-Locking screws and Easy-Tite faucet washers. You save every time you do!

WRITE FOR CATALOG. New 'Sexauer' Self-Locking screws and Easy-Tite washers are just part of the line of over 3,000 'Sexauer' Triple-Wear plumbing repair parts and patented precision tools. Send for our new, 126-page Catalog H. Write today!



*Reg. U. S. Pat. Off.

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2503-05 Third Avenue, New York 51, N. Y.

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WORLD'S LEADING SPECIALISTS IN
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For an extremely bright spot simply plug into a 110-volt outlet. Horizontal masking control angles 45 degrees in either direction. Fast operating. 6-slide color boomerang. Two-element variable focal length objective lens system. Silvered glass reflector. Mounted on casters.

Here are two spotlights that will make you proud of your presentations.

The Trouper has an adjustable, self-regulating transformer in the base, burns quietly for 80 minutes without retrimming, projecting a flickerless spot—sharp edged from head to flood.

See your theatre, school, or stage equipment dealer or send coupon for free literature and prices.



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Please send free literature and prices on
the Strong ☐ Trouper; ☐ Trouperette.

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SE-352



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USE your Bogen sound system for 2-way intercommunication with any classroom, for distributing recorded programs, radio broadcasts, activities originating from any classroom, emergency announcements, and for the many original applications you will think of yourself.

REGARDLESS of how much more you might spend, you cannot buy a more *practical* or more *dependable* sound system than a Bogen. Functionally designed according to the recommendations of the U.S. Office of Education, and built by the country's largest manufacturer of sound systems: David Bogen Co., Inc.

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Bogen
sound system
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David Bogen Co., Inc. Dept. L-E
29 Ninth Ave., New York 14, N.Y.
Please send me your catalog of Bogen
Centralized School Sound Systems.

name _____
position _____
school _____
address _____
city _____ state _____

106

SPOTLIGHT

life and happiness far beyond the dollars-and-cents investment," Dr. Carr concludes.

Postal Law Revisions Would Aid Educators

WASHINGTON—A bill which would make additional types of educational and cultural materials eligible for the present general book and library book rates under the postal classification law is now before Congress.

The bill would not change the

present level of postal rates, but would revise it so as to add on the additional categories.

Educational institutions, public libraries and various other non-profit organizations would benefit from its provisions.

In brief, the bill would make eligible for the general book rate (now 8¢ on the first pound and 4¢ on each succeeding pound, nationwide) new and used educational tests, sheet music and authors' manuscripts. The library book rate (now 4¢ for the first pound and 1¢ for each succeeding pound for inter-library loans and loans to bor-

Attending meeting of Committee for White House Conference on Education, from left: Chairman Neil H. McElroy, Cincinnati; Conference Director Clint Pace, Dallas; Vice-chairman Finis E. Engleman, Conn. State Commissioner of Education; Joseph C. McLain, principal, Mamaroneck, N.Y.; Mrs. Oscar A. Ahlgren, Whiting, Ind.



SE-353

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America's First Wire Fence—since 1883



• You need a fence if the children lack protection against common hazards. And you certainly want time-tested quality in the safeguard you provide. Whether you choose heavily galvanized Copper-Bearing Steel, corrosion-resisting Aluminum, or long-lasting Stainless Steel, PAGE Fence is quality controlled from raw metal to rugged fence erected on metal posts deep-set in concrete. Available are 8 basic styles, varied by heights, types and sizes of gates, and top rails. Finally, your PAGE Fence will be expertly erected by a reliable, technically trained firm permanently located in your vicinity. For important fence data and name of nearest PAGE firm—

Write to PAGE FENCE ASSOCIATION in Monessen, Pa., Atlanta, Bridgeport, Chicago, Denver, Detroit, Houston, Los Angeles, New York, Philadelphia or San Francisco.

PRODUCT OF PAGE STEEL & WIRE DIVISION OF AMERICAN CHAIN & CABLE COMPANY, INC.

THE SCHOOL EXECUTIVE

NORCOR

modernline



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The spirit of modern education, the high adventure of learning, finds concrete expression in the new **NORCOR MODERNLINE** School Furniture.

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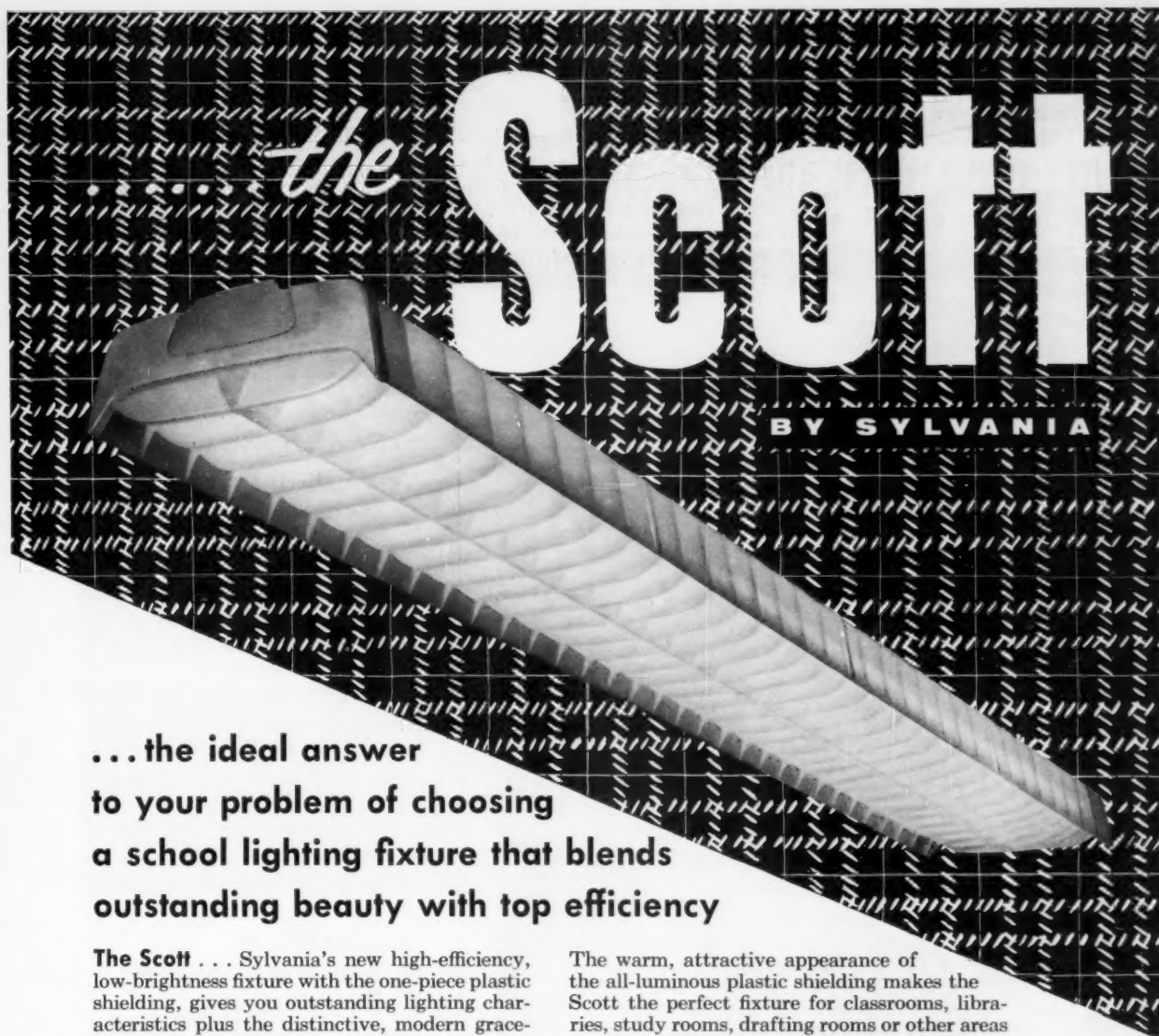
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rowers) would be expanded to include these same three additional materials plus bound academic theses, bound periodicals and miscellaneous library materials.

The bill has been endorsed in whole or in part by over 25 educational, music, literary, library and other organizations, including the State Testing Leaders Conference, the Music Educators National Conference and the American Library Association.

Cathy O'Donnell (l), portrays a business education student in color film *The Right Touch*, produced by International Business Machines. The film is designed to inspire secretarial students to greater effort and efficiency and to interest others in office careers.



SE-356

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Child Development Research Group Discusses Projects

URBANA-CHAMPAIGN, ILL.—Some 100 educators, pediatricians, child psychologists, psychiatrists, nutritionists and research dentists attended the biennial conference of the Society for Research in Child Development March 31 to April 2, at the University of Illinois' conference center near Monticello.

They heard reports on research during the past two years and discussed projects for future study.

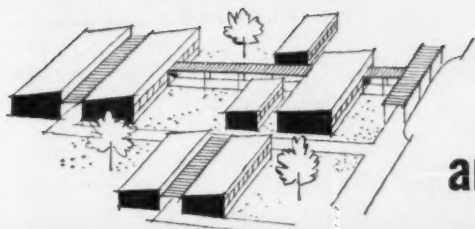
William E. Martin, professor of education at the University of Illinois College of Education supervised local arrangements.

U. S. Sends Five to Study At Patzcuaro Center

UNITED NATIONS—Five Americans have been sent for one year's study with specialists from eighteen Latin American countries at the UNESCO Regional Fundamental Education Center in Patzcuaro, Mexico.

The three men and two women, most of them in rural education, were selected by the Department of State under the U. S. International Exchange Program to meet the need for trained fundamental education workers and to broaden inter-American cooperation in the Patzcuaro project.

Patzcuaro is sponsored by UNESCO in cooperation with the Organization of American States and the Mexican Government. A team of ten students from Pakistan has just completed one year's training at the Center in



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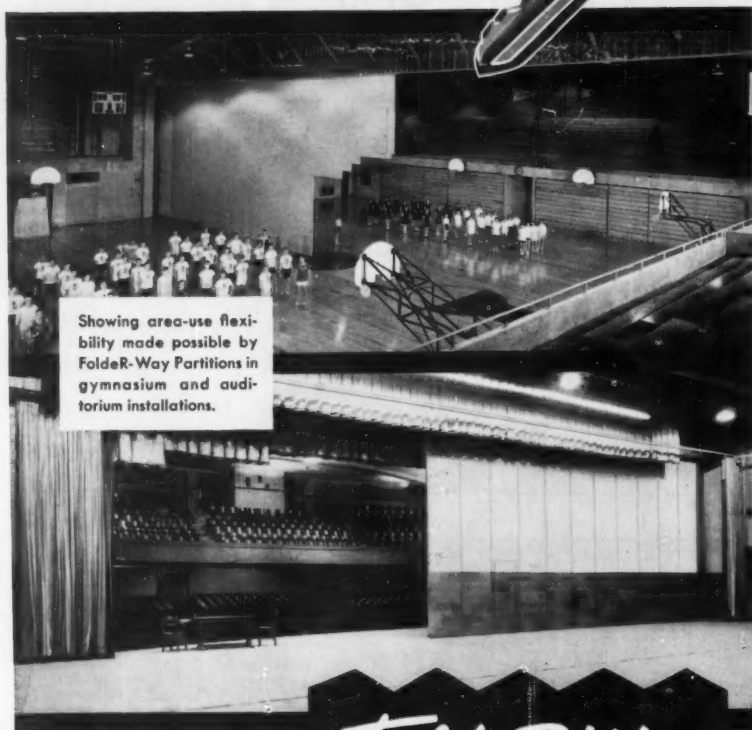
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preparation for that government's program of rural community development.

Since the center opened in 1951, 162 students from eighteen countries in Latin America have completed training courses and the majority of these have returned home to take part in their own government's fundamental and rural education programs.

NADW Convention Discusses "Measures of Our Maturity"

CHICAGO—Some 700 leading women educators attended the 35th annual convention here of the National Association of Deans of Women April 1-4.

In their four-day convention the deans paid special attention to the problems confronting the modern woman and the best way to help their students to become more mature intellectually, emotionally and spiritually.

The convention theme was "Counseling for Maturity."

Lucile Allen, dean, Pennsylvania College for Women, Pittsburgh, and NADW president, gave the keynote address on "Measures of Our Maturity."

Other major speakers

Other major addresses during the convention were given by Carl Rogers, professor of psychology, University of Chicago, and Dorothy Ferebee, director, Student Health Service, Howard University, Washington, D. C. Dr. Rogers' subject was, "Becoming a Mature Person." Dr. Ferebee discussed "Integration's Challenge to America."

Seward Hiltner, professor of pastoral theology, Federated Theological Schools, the University of Chicago, discussed "The Religious Dimension of Counseling" at the vesper service.

One general session was devoted to research reports by leaders in the field on such subjects as the role of the woman executive, the education of the Negro woman, life plans of



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until the cross section is actually reduced to the breaking point by steady flame. It allows time . . . very often time enough to save the structure and contents.

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Rilco members take advantage of the inherent beauty of wood. They are graceful in shape and add to the appearance of a building. Members can be factory finished . . . sanded, coated with wood sealer and wrapped for protection in shipping.

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This Elementary School gymnasium, Gladstone, Minnesota, illustrates the dramatic beauty of wood and the clean, graceful lines of Rilco arches. They provide 100% usable floor space with no overhead obstructions.

Architects: Ingemann and Bergstedt, St. Paul, Minnesota



Here Rilco beams add the warm richness of wood, yet the cost is low. This pleasant classroom is in the Goodhue County School, Vasa, Minnesota.

Architect: Max and Gerald Buehler, St. Paul, Minnesota

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freshman and sophomore women and women employed in current periodical short fiction.

One report, on the concerns of a selected group of unmarried women, was carried out under the direction of the Commission on the Education of Women, American Council on Education.

Many of the major issues confronting counselors and deans in their daily contact with young women enrolled in high schools and colleges were considered in a series of discussion groups.

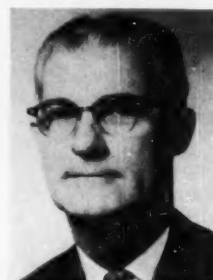
Among the topics discussed were: bridging the gap between high school and college; competition as a spur or deterrent to maturity; working with parents; early marriage; educational objectives of disciplinary actions; honor systems as a maturing influence; approaches to relieving tensions and strain in school life and varying customs in school cultures.

Members of NADW, an NEA depart-

ment, are deans of women, counselors and advisers in schools, colleges and universities across the nation.

Clish Appointed Supt. At Lynbrook, N. Y.

LYNBROOK, N. Y.—Herbert C. Clish will be Lynbrook's new superintendent of schools, it was announced recently by the Lynbrook board of education. Dr. Clish, now superintendent at San Francisco, will be-



Clish:
from
west
to east

come administrator here July 1st when the appointment is effective.

Prior to assuming the superintendency in San Francisco in 1947, he served as superintendent of schools

SE-361



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in New Rochelle, N. Y. for seven years.

At Lynbrook, he succeeds H. Arthur Schubert, retiring after 29 years as principal and superintendent.

Dr. Clish has been widely acclaimed for the improvements he has made in staff, curriculum and public relations while at San Francisco, as well as in raising the level of citizen understanding of and participation in the work of the schools.

He has expressed the desire to serve in a smaller school district where he will be able to have more personal contact with the staff and program of the schools than is possible in a large city.

Dr. Clish received his Bachelor of Science, Master of Arts and Doctor of Education degrees from Columbia.

He has taught and been an administrator on all school levels. In 1949, he was granted the honorary degree of doctor of laws from St. Mary's College, Gonzaga, Calif.

Prior to serving in New Rochelle, he was assistant superintendent of schools in New Haven, Conn. from 1931 to 1940.

He has also lectured on school administration and curriculum.

He has been an active participant in the work of the Fund for the Advancement of Education, a branch of the Ford Foundation.

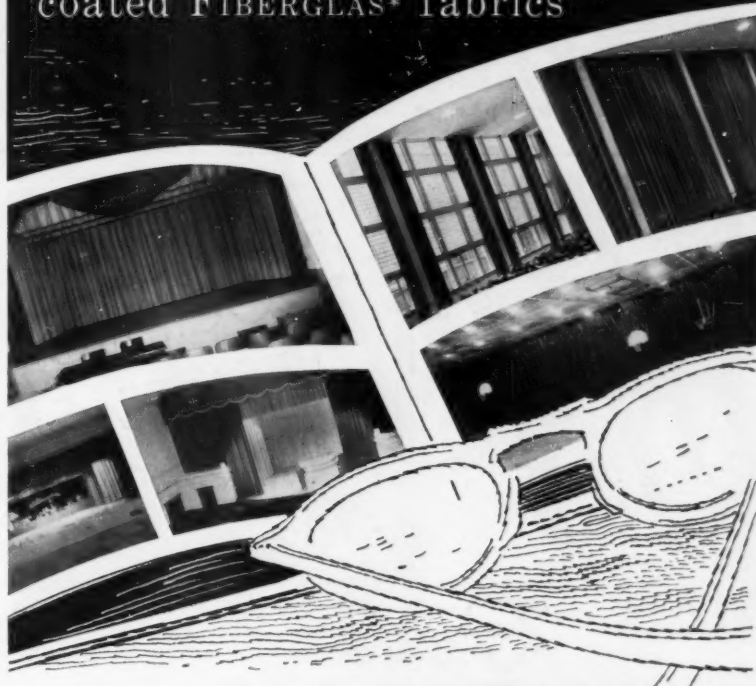
At the present time Dr. Clish is serving as a member of the national board of directors of the National Conference of Christians and Jews and is a member of its national commission on educational organizations.

Study Council Reps Meet May 5-7 for Natl. Meeting

BUFFALO, N. Y.—Representatives from school study councils throughout the nation will meet here May 5 to 7 for the sixth national conference of school study councils, reports George E. Holloway, Jr., executive secretary, Western New York School Study Council.

Featured speaker will be James M.

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Shipton, social psychologist, instructor in education and research assistant at the Center for Field Studies, Harvard University.

He will describe the Bay City Community Study (see *March*, page 103), and lead discussion on the topic, according to Dr. Holloway.

On Thursday, May 5, following council reports and accounts of emerging study council practices,

small discussion groups are scheduled on topics such as organization of councils and their financing, council techniques used to help teachers and chief school administrators, and on the school board institute.

A trip to Niagara Falls is scheduled for the evening.

Discussion groups the following day will touch on research and other activities of school study councils.

Members of the national conference of school study councils are

local school study groups throughout the United States.

The local councils are organized to undertake research, disseminate information of concern to member school systems and work together on common problems.

Ed TV Programs Offered In 16 mm to Adult Groups

BLOOMINGTON, Ind. — Educational television programs will be made available for 16 mm use by adult and other groups through an arrangement just completed between Indiana University and the Educational Television and Radio Center (ETRC), Ann Arbor, Mich.

Distribution will be handled by the National Educational Television (NET) Film Service. NET will be a part of the Audio-Visual Center of Indiana University headed by L. C. Larson.

Under terms of the agreement, NET Film Service will serve as the national center for non-television distribution of educational program materials produced by the ETRC.

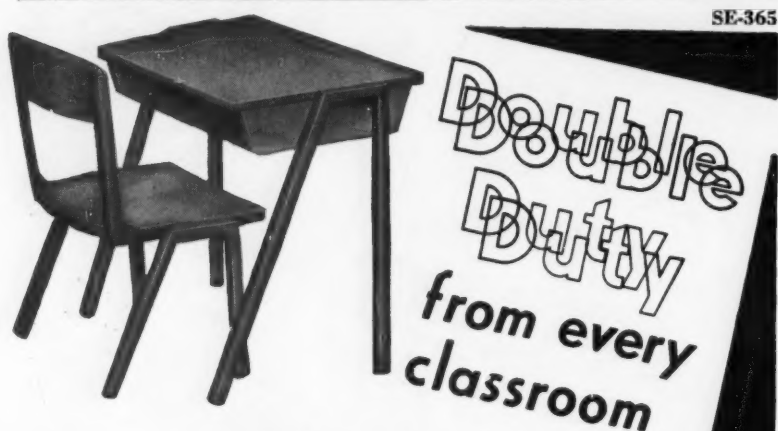
Programs will be distributed on a rental and on a fee basis. The Film Service will be a non-profit operation.

NET will seek to identify adult groups that can employ films and kinescopes developed by the ETRC, acquaint these groups with the availability of such materials, and promote their use by adult groups.

The Film Service will maintain a distribution organization that will provide service on a local, national, and regional basis; assist adult groups in improving their selection and utilization of materials; and conduct research related to the 16 mm distribution, use and influence of program materials produced by the ETRC.

Program content will be concentrated in the areas of American political, social and literary heritage; contemporary America; international affairs; the individual and society; science, fine arts and children's programs.

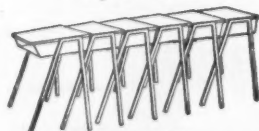
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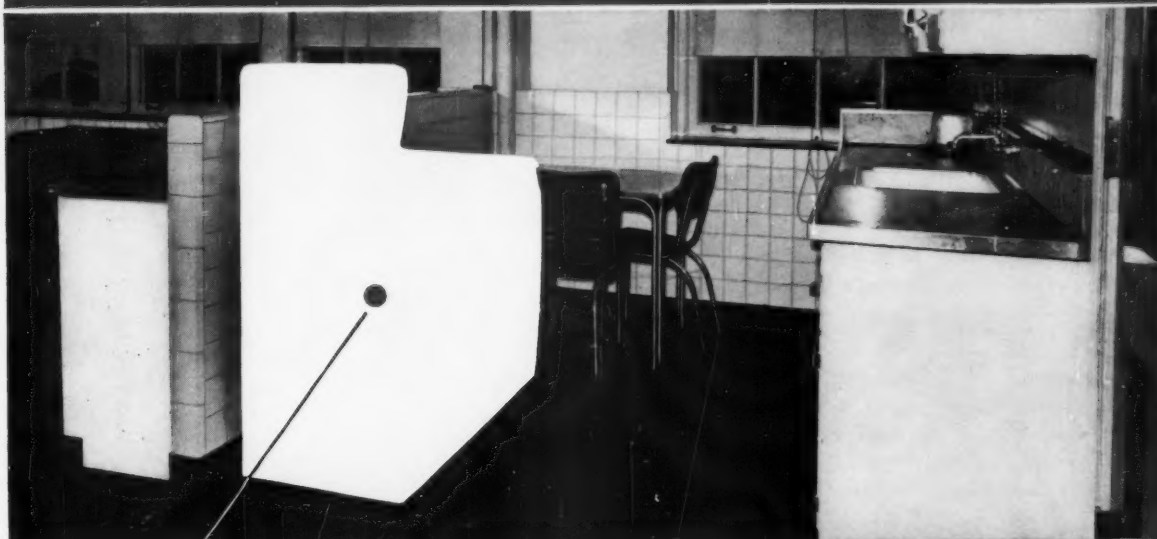
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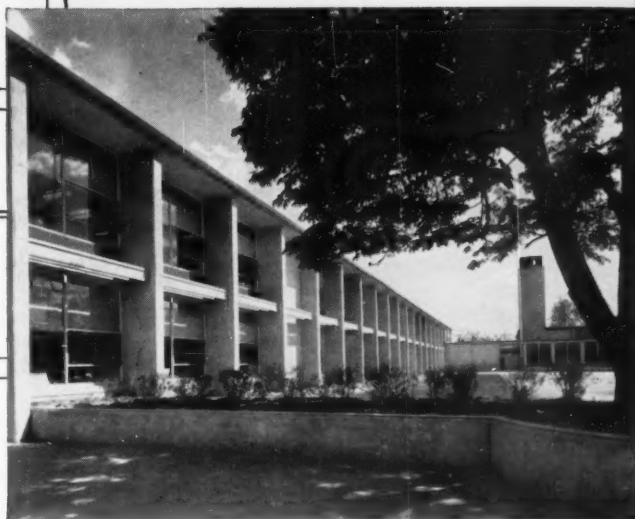
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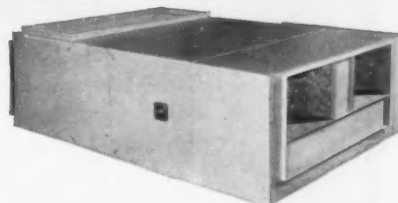
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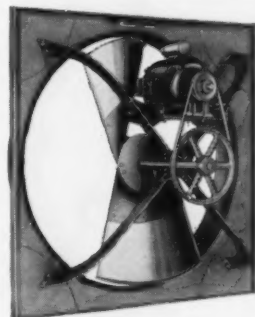
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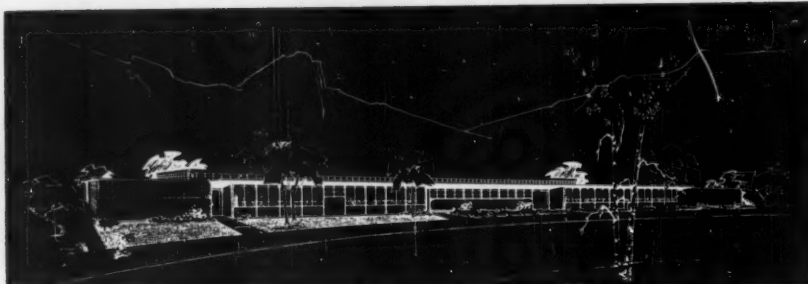
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SE-368



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Inquiries about the availability of programs for non-television use should be addressed to NET Film Service, Audio-Visual Center, Indiana University, Bloomington.

U. S. Office Holds Meeting On Elementary Program

WASHINGTON—Problems in developing more effective programs for elementary school children were discussed recently by about 100 elementary education supervisors at a conference held by the Office of Education last month.

The supervisors came from 64 cities in 34 states and the District of Columbia. It was the second conference on that topic.

Helen K. Mackintosh, Acting Chief, Elementary Schools Section,

SE-369

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Office of Education, chaired the opening session.

The visiting educators assisted in planning the conference program by submitting questions and problems in advance, she reported.

Problems discussed fell into five major areas:

1. ways of working
2. improving curriculum and in-

struction

3. grouping, pupil progress reports and workload
4. teacher education and recruitment
5. interpreting education to the community.

The conference consisted mainly of work sessions on these problems, supplemented by small group and individual conferences.

A summary and final discussion was held on the last day.

NYU Conference Studies Practices in Internship

NEW YORK—Over 100 administrators from schools in upstate New York, New Jersey, Connecticut and Delaware met recently at New York University to exchange views on improving the academic and clinical training of future public school officials.

The one-day conference on "Internship Practices in Educational Administration, Supervision, and Guidance in 1955" was sponsored by the department of administration and supervision, NYU School of Education.

Dean Ernest O. Melby of the School and Dean William J. Ronan of the NYU Graduate School of Public Administration and Social Service delivered major addresses on "Pioneering in Training Educational Leaders" and "Exploring the Internship in Public Administration," respectively.

The internship program, in operation at NYU since 1933, has been adopted by some twenty universities throughout the country. It provides specialized training for administrative and advisory posts in the public school system.

Adult Education Programs Discussed at St. Louis

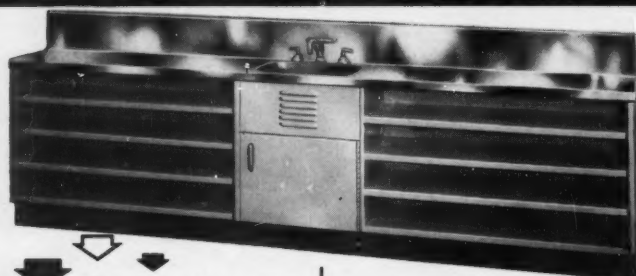
ST. LOUIS—Adult education programs were much in the spotlight here during the recent AASA central regional convention, reports Angelica W. Cass, associate in adult education curriculum, University of the State of New York, Albany.

A literacy adult education program, presently conducted in the St. Louis area under the sponsorship of the Adult Education Council, was presented at a meeting of the literacy and fundamental education section of the Adult Education Association by Susan Simrall of the St. Louis council.

Mrs. Simrall was joined in her presentation by a panel of administrators and teachers conducting the program.

In addition to superintendents, other administrators and Mrs. Cass,

pupil...teacher...school administrator...
**EVERYBODY BENEFITS WITH THE
GRADE-AID COMBINATION SINK—
WORK COUNTER AND STORAGE CUBICLES!**

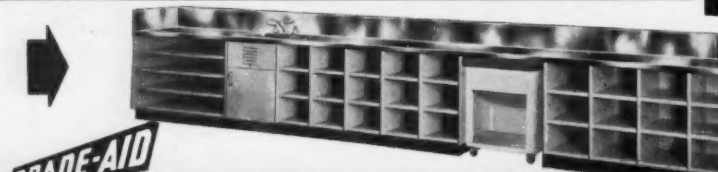


Yes, everybody enjoys the benefits of this wonderful all-steel Grade-Aid combination sink-work counter and storage cubicles. Pupils like it because it's "height-fitted" to their primary or grammar grades — teachers find it easy to keep clean, with plenty of storage space — school executives like its permanence, its ability to withstand abuse! No wonder GRADE-AID is being acclaimed in hundreds upon hundreds of classrooms, in both new schools and old!

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How to get better results from every film you show

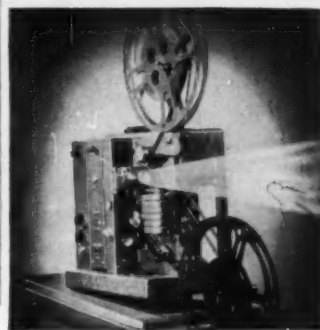


◀ Make your own sound track

With the RCA Magnetic Recorder-Projector, you make your own sound track in just a few minutes—and play it back instantly. It's the new way to cut the cost of sound films—the new way to convert your sound track to give you the advantage of an additional commentary in a foreign language—language or commentary changeable at will. Get more mileage from all your films with the RCA Magnetic Recorder-Projector.

The easy way to show films ▶

For perfect showings every time, use the RCA "400" Projector. Both Junior and Senior models feature the famous "Thread-Easy" film path—the film path that most people thread in less than 30 seconds. These dependable 16-mm sound projectors are favorites with audio-visual specialists who insist on a projector they can count on for clear, steady pictures and smooth, clean sound.



◀ New RCA Porto-Arc 16mm Projectors

For large-audience work, indoors or outdoors, RCA has combined the famous "Thread-Easy" features of the RCA "400" projectors and the extra driving power of arc lamps. Furthermore, these powerful, new projectors can be adapted to play back magnetic sound track. Ten- and 30-ampere models cover all requirements for medium and large audiences. These sturdy units are completely portable, easy to set up, and take down.

FOR INFORMATION on RCA Audio-Visual Products,
see your RCA Audio-Visual Products Distributor or mail coupon below.



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EDUCATIONAL SERVICES, Dept. R-109
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who is also on the board of directors, National Association of Public School Adult Educators, an AEA affiliate, the following adult education leaders were present:

Homer Kempfer, executive secretary, National Home Study Council, Washington; John B. Hawley, University of Michigan, Ann Arbor and Margaret Dabney, University of Virginia, Charlottesville.

Ambrose Caliver, assistant to the U. S. commissioner of education, conducted the meeting.

Caliver heads adult ed

At a meeting earlier that day of the National Advisory Committee on the Education of Negroes, which Dr. Caliver also conducted, it was announced by U. S. Commissioner of Education Samuel M. Brownell that Dr. Caliver has been appointed to head adult education activities for the U. S. Office.

Some common principles, policies

and practices from their experiences in conducting desegregation programs in their own state or community were presented by a panel composed of Hobart M. Corning, superintendent of schools, Washington; Houston R. Jackson, assistant superintendent of schools, Baltimore; W. W. Trent, superintendent of schools, Free Schools, West Virginia; Wayne White; superintendent of schools, Fayetteville, Ark.; A. C. Capps, University of Missouri; Harold A. Lett, New Jersey State Division Against Discrimination; Howard H. Long, dean, Central State College, Wilberforce, Ohio.

The panel was led by Dr. Guy Johnson, Professor of Sociology, University of North Carolina.

Contract Made Indian Pupils Work Hard for Lunches

WASHINGTON—A hitherto secret contract between the Bureau of Indian Affairs and a private food company reveals that school children on the Cherokee Indian Reservation in

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More than a million people use the Miami Terminal of Eastern Air Lines each year. After several years of service, Terraflex has proved its durability... looks colorfully new... and has cut maintenance time and cost.



Heavy traffic in this Budd Company R.D.C. diesel-powered passenger car has little effect on the durable J-M Terraflex floor. A damp-mopping, whenever necessary, will restore it to its first-day color beauty.



Despite constant exposure to heavy traffic, spilled food, grease, and liquids, the Terraflex floor in the cafeteria of the Sperry Gyroscope Company at Lake Success, L. I. shows no sign of wear—looks as fresh and colorful as the day it was installed.



Johns-Manville **TERRAFLEX®** Vinyl-Asbestos Tile Floor

provides beauty, color and wear with minimum care.

IN ADDITION to their inviting appearance, the floors in the busy cafeteria, the railroad car and the major air-passenger terminal, shown here, have one other important common characteristic. Each is a Johns-Manville Terraflex Tile floor... selected to meet stringent requirements for heavy-traffic floor service with the lowest possible maintenance cost.

Made of vinyl and asbestos J-M Terraflex is exceptionally tough and resistant to wear... defies grease, oil, strong soaps and mild acids.

Terraflex can reduce maintenance costs one half. In actual use, tests showed Terraflex maintenance expense to be approximately 50% less than the next most economically maintained resilient flooring. Its nonporous surface requires no hard scrubbing, damp mopping usually keeps it clean and bright... frequent waxing is eliminated. Through years of economical service Terraflex pays for itself.

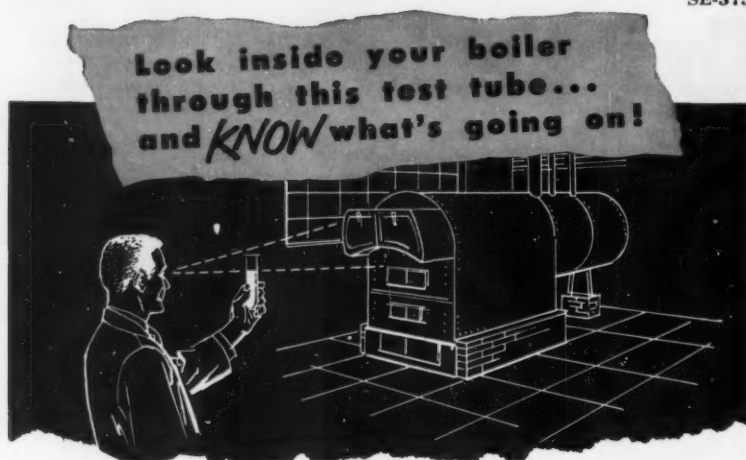
Available in a range of 15 marbleized colors, J-M Terraflex vinyl-asbestos tile is ideal for restaurants, public areas, schools, hospitals—wherever reliable floor service, long-wearing beauty and long-time economy must be combined.

For complete information about Terraflex vinyl-asbestos floor tile, write Johns-Manville, Box 158, New York 16, N. Y.

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Consult your newspaper for time and station.



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Is return condensate pitting the tubes? Is the supply water forming scale—scale that eventually might build up to where the boiler overheats and burns up the boiler metal?

A scientific laboratory test will tell you *for sure!*

If your boiler is threatened by these conditions which cause 90% of the costly retubing and boiler repairs in the nation's schools, you can eliminate them with

Acme RUSTOSCALE® Boiler Water Treatment

Authorities agree that every low-pressure heating boiler needs water treatment.

But *not any kind of treatment*—"ready-made" compounds may do more damage than good. The treatment must be tailored to the supply water and to the boiler being treated—because no two supply waters are chemically identical—no two boilers operate exactly the same. That's why every formula of Rustoscale is compounded directly from an analysis, by expert water chemists, of the supply water it is to treat.

RUSTOSCALE
IS NOW BEING
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GET A FREE WATER ANALYSIS— Find out what goes on inside your boiler!

No cost or obligation. The Rustoscale Laboratory will make a free analysis of your boiler supply water and report to you in writing. Just fill out and mail the coupon... the Acme Service Engineer in your locality will do the rest.

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Please have your Service Engineer arrange a free analysis of our boiler supply water, at no cost or obligation to us.

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SPOTLIGHT

North Carolina were required to perform heavy tasks in school cafeterias.

Officials in Washington became aware recently of the contract which called for school lunches for 800 pupils on the reservation. It had been let without bidding.

Further examination of the agreement revealed that children were required to serve the food, keep the dining rooms clean and wash dishes.

The House Committee on Interior and Insular Affairs has extracted a promise from the Indian Bureau that 'all future contracts will be awarded only after competitive bidding and that student labor will be only for minor chores.

Colleges Report Trouble Meeting Operating Costs

NEW YORK—Colleges, universities and professional schools representing about three-quarters of the total higher institutional student enrollment, report they are having serious difficulties in meeting present operating costs.

The results of a survey undertaken by the Council for Financial Aid to Education also indicate that the 753 reporting schools are having trouble meeting greatly increased capital and income needs expected during the next ten years.

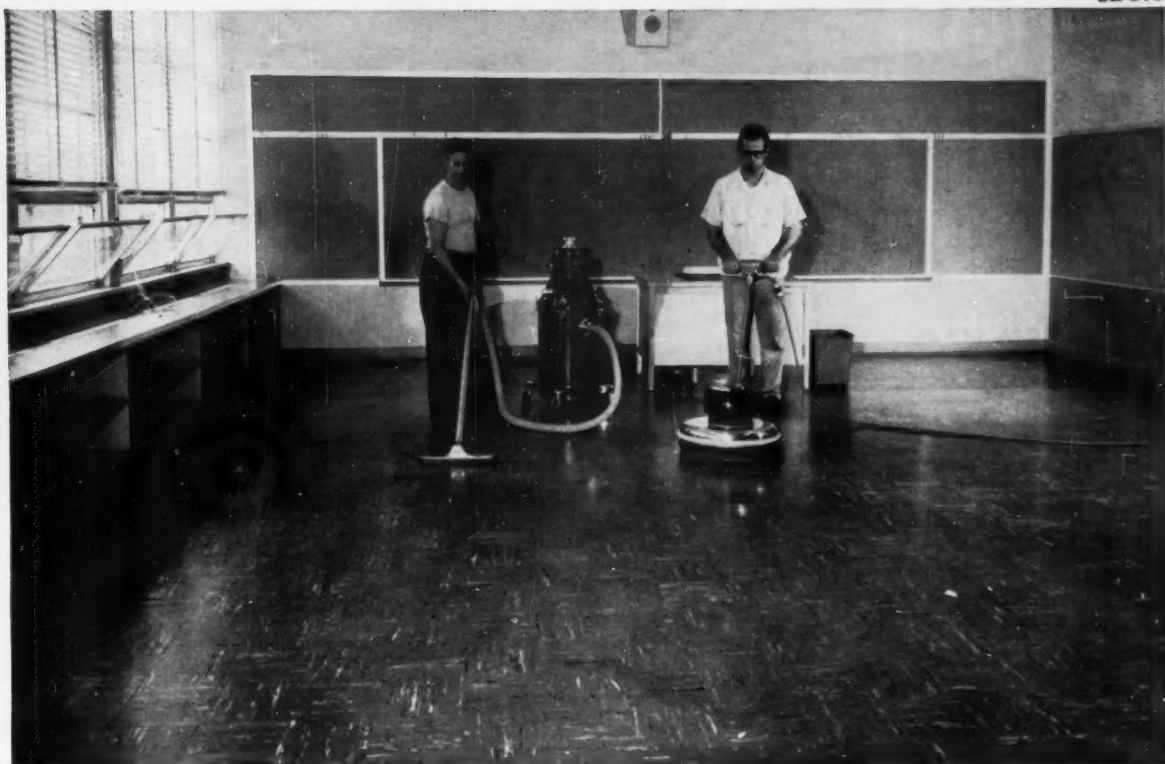
They represent about 60 percent of the degree-granting colleges in the United States.

Study trends in grants

Along with the composite report of needs of the educational institutions, the Council released its findings on trends and patterns of contributions by 367 of the nation's largest business and industrial concerns.

Nearly half of these currently make grants to higher educational institutions. The Council's survey indicates that these corporations grasp the colleges' prime need for operating and capital funds.

The 367 companies prefer, above any other types, to make grants for



Long Island Schools Cut Floor Maintenance Time and Costs with MULTI-CLEAN Equipment

This classroom floor of gleaming asphalt tile is in the East Lake Grade School, Massapequa Park, Long Island, New York. The school is one of four in the system using MULTI-CLEAN 16" and 22" floor machines and MCV-220 industrial vacuum cleaners.

"Bud" Jesseau, superintendent of buildings in this modern school system says, "Our MULTI-CLEAN equipment is tops, and since we've been using it, we've cut our maintenance time and labor costs considerably.

"We wax and burnish our floors three times a year, and daily maintenance during the school year requires only damp mopping. It's as simple as that with the MULTI-CLEAN METHOD and our floors keep their clean and polished appearance all the time."

For more information about the MULTI-CLEAN METHOD of floor care, mail the coupon below. Your local MULTI-CLEAN distributor will be glad to help you with any floor problem without obligation.



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Gentlemen: I'd like floor maintenance information on: ☐ Concrete, ☐ Asphalt Tile, ☐ Terrazzo, ☐ Wood, or _____. Also literature on: ☐ Floor Machine, ☐ Scrubbing Machine, ☐ Industrial Vacuum Cleaner.

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classrooms
dull
alertness
and cut
"take home"
learning**



A stuffy room is certainly no place to absorb real "take home" learning. That's why it's so essential to have proper temperature and ventilation control in your classrooms.

Student reactions will vary widely—depending on the time of day, the type of class, and the method of instruction. Naturally, *alert students take home more learning.*

The new Honeywell Schoolmaster Temperature Control System is a highly productive unit in modern schools today because it assures the proper conditions for classroom alertness.

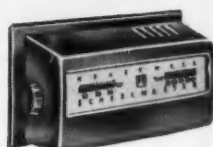
This Schoolmaster System includes a newly developed school thermostat for each classroom, plus an indicator panel for the principal's office which gives a finger tip report on all room temperatures.

With it, you can accurately coordinate level temperatures, proper humidity and ventilation to create ideal conditions for brighter classes, and better learning.

The Schoolmaster is an exclusive Honeywell feature. It's designed for any school, whether it's a new or older building. No major building alterations are necessary, as the wiring is simple.

For complete information, call your local Honeywell office, or write to Honeywell, Dept. SN-5-34, Minneapolis 8, Minnesota.

New Honeywell Schoolmaster System makes temperature
and ventilation control a "productive" item



A thermostat in each room makes temperature and ventilation control a part of teaching. The Honeywell individual classroom thermostat is custom designed for the instructor so that room temperature and ventilation can be matched to class activities.

An indicator panel gives the principal a finger tip report. The panel shown here is for the principal's office and is wired to a special sensing element in the thermostat for each room. The principal can have a push-button temperature reading for any classroom.

Special sensing elements provide added fire safety. You have a constant fire sentry in the Honeywell Schoolmaster System, in addition to your regular fire protection system. You have fire sensing elements in each room, and in closets and store rooms, if you wish. These elements are wired to the principal's panel to help detect fires.



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SPOTLIGHT

buildings and for unrestricted use. These are also the types preferred by and most useful to the educational institutions which took part in the Council's survey of the needs of higher education.

A heavy preference was reported by the participating companies for grants to colleges and universities located in areas where they have natural interests. Grants to technological schools, independent universities, and liberal arts colleges are favored by the 367 companies.

Half operate at deficit

Reports that half of the nation's colleges and universities are operating at a deficit appear to be substantiated by the questionnaire returns to the Council for Financial Aid to Education from the 753 participating institutions. A major reason for the budgetary troubles is, according to the Council's findings, the 50 percent increase since 1948 in the average per capita cost of operations.

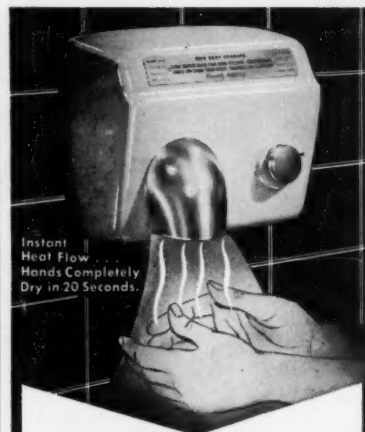
In contrast, the 753 colleges were able, between 1948 and 1953, to raise tuitions and fees an average of only 21 per cent. In this five-year period the average total income from tuitions and fees dropped nine per cent. Increased needs for student financial aid have also been a heavy burden.

Greatly inadequate faculty salaries were reported by the 753 colleges and universities. In one group of 209 small colleges, the average full time salary of all faculty members during 1953-54 was under \$4,000.

Trouble raising salaries

Even the 54 state universities reporting to the Council for Financial Aid to Education have been unable to increase faculty salaries enough to offset cost-of-living increases in the last fifteen years.

To make up present deficiencies and also meet the bulge in enrollments expected in the next ten years, the 753 institutions which participated in the survey report that they need over \$3.0 billion in additional endowment, as well as \$2.5



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ALTON, ILL. BOARD OF EDUCATION installed 25 National Hand Dryers. They actually tested and carefully checked 4 of these dryers installed in a washroom in the Senior High School and report a savings of \$116.28 per month from these 4 units.

NORTHWESTERN UNIVERSITY has installed over 70 National Hand Dryers, providing automatic round-the-clock towel service . . . ending complaints about empty towel containers . . . eliminating a potential fire hazard.

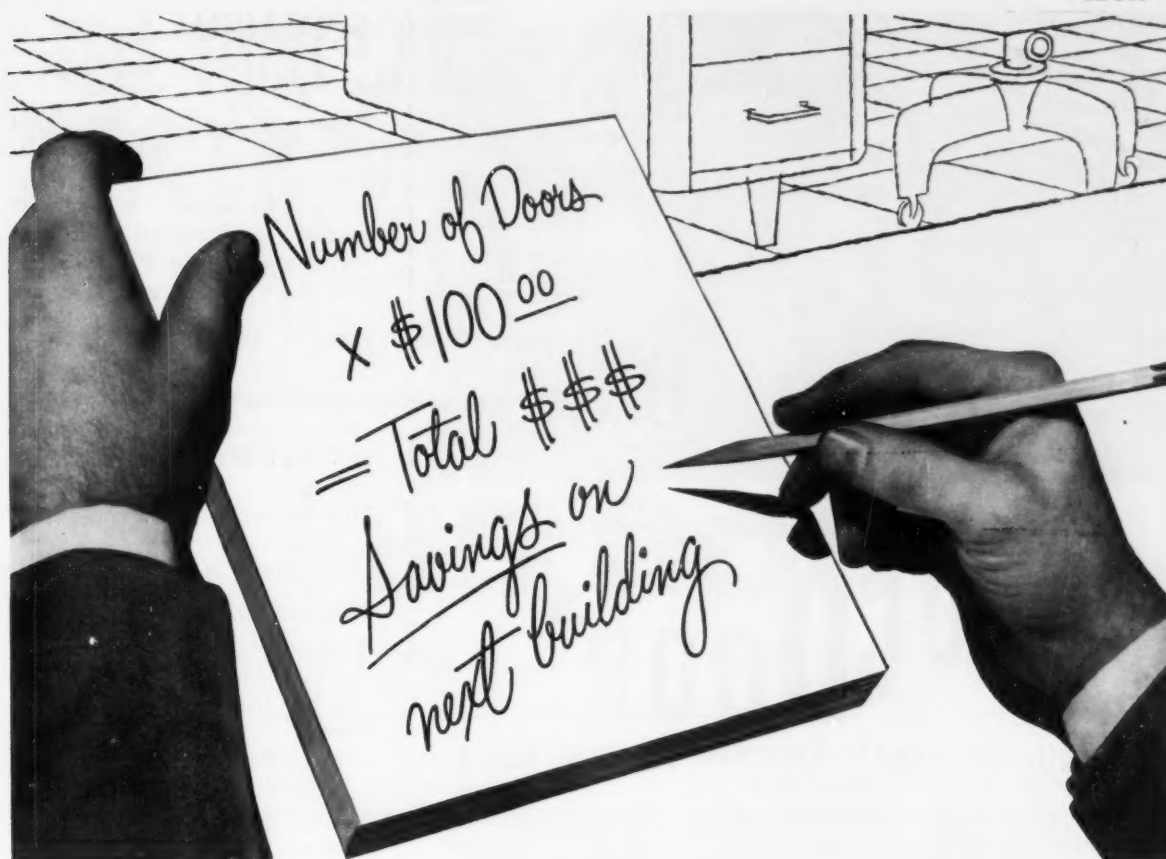
NATIONAL HAND DRYERS are vandal proof. They are designed and constructed to meet conditions of extreme abuse.

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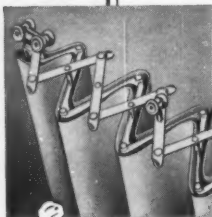
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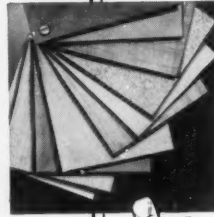
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Construction Features—FOLDOOR Multi-V design permits less stacking space, eliminates annoying "air bellows," relieves hinge strain, gives silent trouble-free operation that assures long life.



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Please send me further information on FOLDOOR.

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Address.....
City..... State.....

SPOTLIGHT

billion additional in new funds for buildings, equipment and maintenance.

Grants by America's 672,000 corporations to all institutions of higher education during 1953, the last year of the Excess Profits Tax, are estimated by the Council for Financial Aid to Education at between \$70 and 75 million.

The Council is a non-profit organization established by leading business men to encourage greater financial support, from all sources, of higher education in this country.

NEA, MPA Meeting to Study Magazine and Instruction

WASHINGTON—NEA and the Magazine Publishers Association, meeting here May 10 and 11, will discuss the magazine as a supplementary aid to classroom instruction.

All officers of NEA departments will attend sessions of the meeting built around the theme "Toward A Better Informed Public."

More \$ Spent for Comics Than for School Texts

BERKELEY, Calif.—More money is being spent for comic books annually than is spent for textbooks in all of the nation's elementary and secondary schools, reports the University of California.

A survey found that a billion copies of comic books are sold each year at a total outlay of \$100 million. The amount is four times the combined yearly book budgets of all public libraries in the country.

The study showed that comic books were read by 25 percent of adult high school graduates, 16 percent of adult college graduates—and 12 percent of the nation's teachers.

Delinquency, Comics Worry Latin Americans Also

CHICAGO—Latin Americans, as well as their neighbors to the north have to deal with problems like juvenile delinquency, the children of working

TELL YOUR GIRLS NOW ABOUT THE 1955 SINGER JUNIOR DRESSMAKING CONTESTS!

*Now's the time for a girl to plan her summer
...she may make a winning dress while she learns to sew!*

2 Big Contests — 2 Complete Sets of Prizes Totalling Over

\$85,000

SENIOR CONTEST PRIZES (girls 14-17)

GRAND PRIZE \$1000
2nd PRIZE \$ 750 cash award or
3rd PRIZE \$ 600 scholarship funds
4th PRIZE \$ 500

JUNIOR CONTEST PRIZES (girls 10-13)

GRAND PRIZE \$500
2nd PRIZE \$400 cash award or
3rd PRIZE \$300 scholarship funds
4th PRIZE \$250

PLUS a 3-day trip to New York City for the 4 top winners
in each contest and their mothers!

66 SINGER* Slant-Needle* Portables with Automatic Zigzagger. 1st prize for Senior & Junior regional winners.

66 SINGER FEATHERWEIGHT* Portables with Automatic Zigzagger. 2nd prize for Senior & Junior regional winners.

Over 3500 De Luxe SINGER* Scissors Sets for local winners, Senior & Junior Contests.

PLUS 33 \$300 one-year scholarships for regional winners in Senior Contest who enter or are attending accredited colleges and major in home economics!

NOTE: Families of employees of the SINGER organization and its advertising agencies are not eligible for contest.



Dolores DeLora, 16, of Queen's Village, N. Y., is pictured here in the lovely summer date dress that made her the 1954 grand prize winner.

More winners than ever before! SINGER will award *two* complete sets of prizes: one set to winning dresses in the Senior Contest (girls 14-17); another to winning dresses in the Junior Contest (girls 10-13).

To be eligible, girls must enroll in the SINGER Junior Dressmaking Course at the nearest SINGER SEWING CENTER between May 2 and

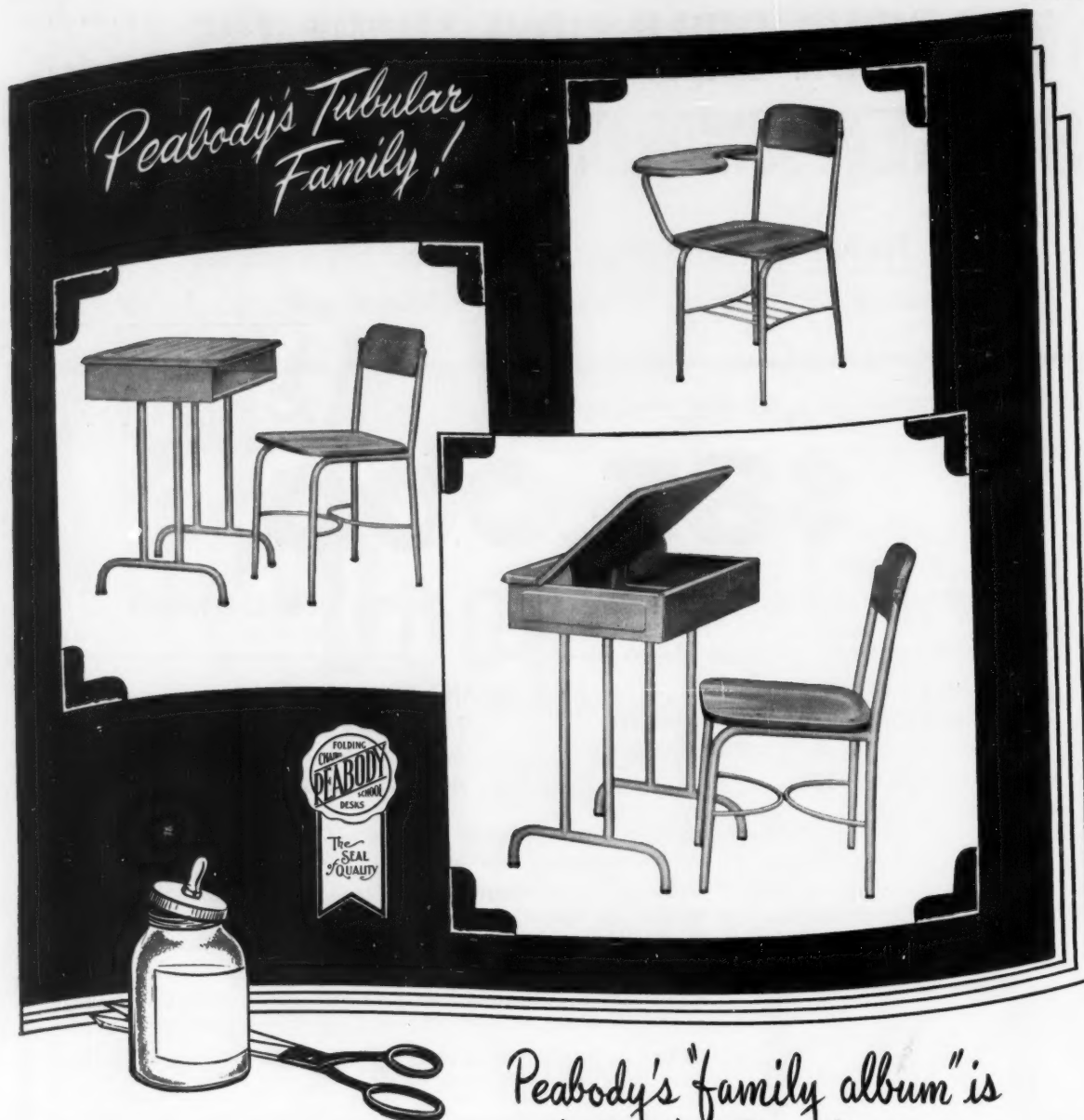
August 20, and complete their dresses by Sept. 3. For just \$8 they receive eight 2½ hour highly personalized sewing lessons.

Entry blanks with complete contest rules are available at SINGER SEWING CENTERS in U. S. and Canada. It's wise to enroll *early*, as classes have a limited capacity—so post this announcement today!



AT ALL SINGER SEWING CENTERS
in the United States and Canada

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Peabody's "family album" is
full of Tradition ----

Peabody is proud of the tradition established through over fifty years of successfully filling the needs of classrooms all over America. This tradition has meant a never ending parade of Peabody furniture to meet every classroom need. You can be sure that in each new Peabody product this experience will mean satisfaction. Anticipation of future needs, too, is a never ending goal here at Peabody.

—PEABODY

No One Ever Regretted Buying Quality

NORTH MANCHESTER, INDIANA



SPOTLIGHT

mothers and education for handicapped youngsters, according to Mrs. Rollin Brown, Los Angeles.

The first vice-president of the National Congress of Parents and Teachers attended the Tenth Pan-American Child Congress in Panama as both PTA and U. S. delegate.

She reports that the congress, attended by the representatives of fourteen American nations, concerned itself with health, education and welfare.

Problem in all tongues

Comic books seem to present the same problem in North, South and Central America, whether printed in Spanish, Portuguese or English.

There is currently a strong demand that the governments of the individual Latin-American countries take control of the comic book situation, rather than leave the problem up to local authorities or to the publishers, Mrs. Brown reports.

Most working mothers in Latin America, Mrs. Brown said, are employed for purely economic reasons.

The Pan American Congress passed a resolution urging child care centers to take care of their children.

Henry and Taylor Talk at Ohio's Radio-TV Institute

COLUMBUS, Ohio—A distinguished educator and a prominent network executive were the major speakers at the annual dinner of Ohio State University's 1955 Institute for Education by Radio-Television, reports I. Keith Tyler, Institute director.

Speaking for education at the event were David D. Henry, executive vice-chancellor, New York University and president-elect, University of Illinois.

Representing the broadcasting industry was Davidson Taylor, vice president in charge of public affairs for the National Broadcasting Company.

Opening April 12, the four-day conference of educators and broadcasters marked the 25th anniversary of its founding. General program

May, 1955

...have doubts about

the right

paint COLOR?



...you'll always be right with ARCO'S

OPTONIC* system!

Why endure that hassle again this painting season? ... the one in which all the "experts" express positive, pre-conceived opinions about color. Instead, select *correct* colors with the ARCO-developed OPTONIC* System. Because OPTONIC colors work *with* light, not *against* it, they reduce eyestrain, fatigue and tension ... boost morale and efficiency to new high levels.

If you are overwhelmed by amateur opinions, get an OPTONIC color card. Then you'll *know* you're right! And you can be equally sure of highest quality when you specify ARCO paints, famous since 1881 for flagpole to boiler-room protection of all types of buildings. Details of the complete line are found in Institutions Catalog Directory.

THE ARCO COMPANY, 7301 Bessemer Ave., Cleveland 27, Ohio

Gentlemen: Please send information on:

☐ OPTONIC colors ☐ Masonry coatings ☐ Metal protection
☐ Roof Coatings & Calk ☐ Inside Finishes ☐ Outside Paints.

NAME _____

COMPANY OR INSTITUTION _____

ADDRESS _____

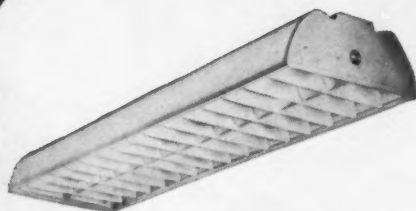
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ARCO PAINTS
Quality... SINCE 1881

TESTED FIRST TO LAST!

ALL THESE SYSTEMS WILL LIGHT YOUR SCHOOL

SEMI-DIRECT FLUORESCENT
LUMINOUS INDIRECT FLUORESCENT
INDIRECT INCANDESCENT
DIRECT INCANDESCENT
DIRECT FLUORESCENT



**SEMI-DIRECT
LOW BRIGHTNESS
FLUORESCENT LUMINAIRE**

FORTY SIXTY

Curtis Forty-Sixty series fluorescent luminaires are designed to provide high levels of low-brightness illumination for classroom lighting. The indirect component relieves the contrast between the luminaire and the ceiling and the direct component delivers approximately 60% of the luminaire output to the working area. This scientifically controlled, Curtis engineered distribution of the light components will give your classrooms an excellent high level of glareless illumination that will meet and exceed the A. S. A. standards.

Forty-Sixty Units are available for all 4', 5' and 8' rapid start, slimline, starter and low brightness lamps. Side panels are of Alzak Aluminum, Steel baked white fluracite or fine-ribbed plastic with or without louvers.

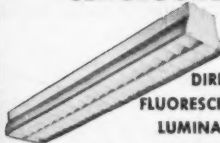
LIGHT AND SOUND SYSTEM

The Curtis Light and Sound System combines direct Fluorescent quality, low-brightness illumination with an acoustical system that eliminates a high percentage of the annoyances and distractions that sound creates. The lighting system utilizes 96" T-12 fluorescent lamps positioned on underwriters' approved factory wired sections. The acoustical portion is composed of vertical panels of flame retarding high reflectance panels properly positioned to provide scientific shielding and sound conditioning.



**DIRECT TYPE
FLUORESCENT ILLUMINATION
WITH HIGHLY EFFICIENT
ACOUSTICAL SYSTEM**

RECESSED TROFFERS



**DIRECT
FLUORESCENT
LUMINAIRE**

Curtis recessed fluorescent Troffers provide high quality direct illumination. Because at least 94% of the light output is directed downward to the working plane Curtis troffers are highly efficient and ideal for classroom lighting. The troffers are available for all 4', 5' and 8', rapid start, slimline and low-brightness lamps. They may be single lamp, 2 lamp or 3 lamp construction of Alzak Aluminum or steel finished baked white Fluracite enamel. For shielding when necessary they are provided louvered or unlouvered and for use with all popular prismatic lenses and glass panels.



**LUMINOUS
SEMI-INDIRECT
FLUORESCENT LUMINAIRE**

PRINCESS

The Curtis Princess series of fluorescent luminaires provide illumination for classrooms, school offices and other interior school areas. These semi-indirect units give a high quality of artificial illumination comparable to diffused daylight. The lamps are completely shielded by beautiful translucent plastic side panels that also give a wide distribution of comfortable light. Princess luminaires accommodate all 4', 5' and 8' fluorescent lamps.

The ALZAK Story

Curtis features Alzak Aluminum in the manufacture of their luminaires. Alzak is a process in which a special grade of high-purity aluminum is cleaned to remove all impurities, oxidized, and sealed. The resultant finish is second in hardness only to the diamond. This hard, colorless, transparent, oxide coating on the metal gives alumi-

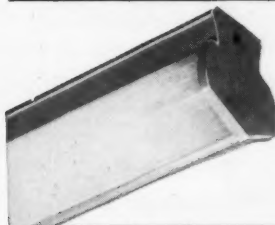
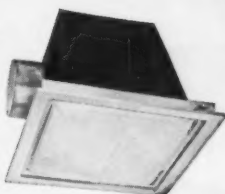
num the non-tarnishing and stainless surface which is unaffected by the heat of light sources.

Alzak Aluminum has a very high reflectivity which is permanently maintainable, making Alzak Aluminum the finest material available for lighting equipment.

BUT CURTIS EYE COMFORT LIGHTING ASSURES YOU OF OPTIMUM SEEING CONDITIONS *Economically!*

SQUARE INCANDESCENT

The Curtis square recessed incandescent downlight can be recessed into a 12" opening in any type ceiling construction, and is for use with either 150-W, 200-W or 300-W incandescent lamps. A specially designed lamp holder plate permits easy adaption for correct positioning of these three different wattage lamps. The hinged door accommodates either a variety of lenses or a louver. Units pass Underwriters approval when installed singly or when grouped or patterned.

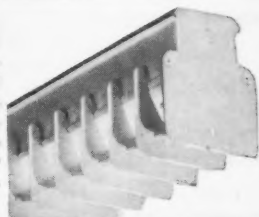


PRINCESS CORRIDOR

The new Curtis Princess Corridor Fluorescent Luminaire for 4' and 8' Rapid Start or Slimline lamps is completely enclosed luminaire and ideal for corridors and other areas where wide light distribution is desirable. The white polystyrene plastic panels may be easily removed for cleaning or lamp replacement.

FLUORESCENT CORRIDOR

The new Curtis Fluorescent Corridor Luminaire, for 4' and 8' Rapid Start or Slimline lamps is an all steel luminaire finished with white baked Fluoracite enamel. It is a highly efficient direct unit designed to give 25° lengthwise shielding. The louver is hinged from either side for fast, easy re-lamping or cleaning without the use of tools.



SNO-FLAKE

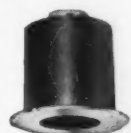
INDIRECT INCANDESCENT LUMINAIRE

The Curtis Sno-Flake provides adequate lighting levels of glareless incandescent light for classrooms, offices, halls, assembly rooms, etc. It has an open die-cast one piece louver that is both functional as a shield for the silvered bowl lamp as well as exceptionally attractive. These units utilize one 300 or 500 watt lamp and are economical to buy, install and maintain.



VARI SPOT

Curtis "Vari-Spot" is a shallow recessed downlight, utilizing either one 100 watt or one 150 watt inside frosted incandescent lamp. Ideal for many school uses.



SPOTTY

Curtis Spotty is a shallow recessed downlight, utilizing either one PAR-38 or R-40 screw base 150 watt spot or flood lamp. For corridors, coves and other areas.

CURTIS

LIGHTING, INC.

6135 W. 65TH STREET
CHICAGO 38, ILLINOIS

SEND NOW FOR INFORMATION
ILLUSTRATED
LITERATURE

Free



Whether you are considering fluorescent or incandescent lighting. If you are modernizing or building, this new Curtis literature on these school lighting units will prove invaluable in helping solve your lighting problems. Write today, without obligation.



ROUND RECESSED



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DISCUS



X-RAY STAGE LIGHT



PUNCHY

One item to consider in summer "fix-up" plans



No. 397
Church COREX® Seat
with open front
and sanitary
cut-out back.



replace worn toilet seats with the seat that never needs replacing

Now's the time to check those old worn or damaged toilet seats for replacement.

And this time decide to replace with Church COREX, the seat that never needs replacing.

Practically indestructible, the Corex Seat is molded under tons of pressure, with a heavy brass insert molded right into the core. Its surface of thick lustrous plastic has no joints or seams or crevices, is sanitary, easy to maintain.

The ideal seat for school life. And remember — the first cost is the last cost.

WRITE US TODAY

for illustrated literature showing construction features and advantages of Church Seats and how they can solve your toilet-room maintenance problems. Address Dept. S.

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"THE BEST SEAT IN THE HOUSE"

Serving home and industry:

AMERICAN-STANDARD • AMERICAN BLOWER • CHURCH SEATS & WALL TILE
DETROIT CONTROLS • KEWANEE BOILERS • ROSS EXCHANGERS • SUNBEAM AIR CONDITIONERS

SPOTLIGHT

theme was "Building for the Next 25 Years."

Dr. Henry, who is also chairman of the Joint Committee for Educational Television, was president of Wayne University, Detroit, before assuming his present position at NYU.

He also is a trustee of the Cranbrook Institute of Science and is a past president of both the Association of Urban Universities and the Michigan Council on Education.

Mr. Taylor, who joined NBC in 1951, was formerly vice president and director of public affairs for the Columbia Broadcasting System. During World War II he was chief of radio for the Psychological Warfare Division, SHAEF.

General sessions included a "showcase" presentation of various types of educational TV programs, as well as more than 20 small group meetings and work-study sessions on specialized areas of interest.

TC Labs Will Study Staff Relations, Consultant's Role

NEW YORK—The Role of the Consultant and Improving Staff Relations are the topics of the 1955 summer laboratory program of the Columbia-Teachers College Center for Improving Group Procedures.

The first will be held August 1 through 12, the second July 11-22.

"The program is designed for those who want to improve staff relations, develop leadership and provide more effective consultation," reports a bulletin on the subject.

The daily programs are built around practical problems of professional life. Basic skill and theoretical training are provided for the more effective solution of the above problems.

Top Educators from Canada, U. S. Attend SU Workshop

SYRACUSE, N. Y.—Invitations have gone out to "a select number of administrators in Canada and the United States" to attend an interna-



Arlington No. 550 MOVE ABOUT



value
assured



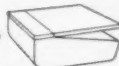
also supplied as
Study Top model
for junior high and
high school use.



In design, in the selecting of materials, and in the making and finishing of every part . . . Arlington gives you quality at its very best. This has been Arlington's way for over fifty years. The No. 550 Move About for example is built for the most rugged kind of classroom service . . . to be surprisingly free of maintenance problems, year after year. Functional features include:



Adjustable Desk Top . . . rests closed at 10° angle for reading, writing, or drawing—may be set level for manipulative tasks.

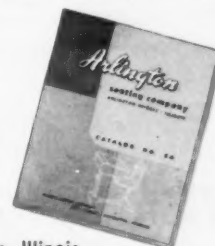


Positive Friction Hinges gives safety and quiet. Large book box storage area.



Seat Swivels either way to adjust to student's natural seating position.

WRITE FOR your free copy of the Arlington Catalog No. 55 . . . complete information on Arlington moveable desks, chair desks, table desks, tables and chairs . . . and fixed type desks, chairs and tables of all kinds. Also Arlington auditorium and stadium chairs.



ARLINGTON SEATING COMPANY • Arlington Heights, Illinois

for over 50 years—a dependable source of quality seating equipment



"See! Only 30 seconds to fog this room!"

THAT's how quickly you can control insects in 10,000 cubic feet of space with WEST ATOMIZERS and VAPOSECTOR insecticide.

Insects have no place to hide. VAPOSECTOR penetrates everywhere

- cracks
- crevices
- even remote hiding places.

Insects have no time to escape. VAPOSECTOR penetrates their outer skin for a quick, permanent kill. Yet it's safe to use. Odorless. Nontoxic when used as directed.

AND insect control is economical — when VAPOSECTOR is used in a WEST ATOMIZER. Only one or two ounces control all insects in 1,000 cubic feet of space

- in just 3 seconds
- at a cost as low as 5¢.

OLDEST AND LARGEST
COMPANY OF ITS KIND
IN THE WORLD

LET a West representative tell you more about West's *Insect Control Program*, equipment and insecticides. Many kinds and types are available. Or write for our 36 page booklet, "*Industrial Insect Control*."



WEST DISINFECTING COMPANY

Dept. 15

42-16 West Street, Long Island City 1, N. Y. (Branches in principal cities)

In Canada: 5621-23 Casgrain Ave., Montreal

- ☐ I'd like a free copy of your booklet "*Industrial Insect Control*."
- ☐ I'd like to have a WEST insect control specialist telephone me for an appointment.

Name _____

Position _____

(Tear out this coupon and mail it with your letterhead)

SPOTLIGHT

151
De Vrylitz

16 mm. PROJECTORS



CONSIDER SERVICE When Buying

The De Vrylitz is the finest 16mm. projector on the market. Your selection of the De Vrylitz is justified by every comparison of quality-built features. It is designed and built for long trouble-free service.

And speaking of service, you'll need a minimum of it with a De Vrylitz projector. If you ever do need service, though, you'll find that Technical Service, Inc., has the finest service organization available. Prompt delivery of parts and immediate service by highly skilled technicians are always assured.

De Vrylitz projectors are designed so that owners can make most of the service adjustments—if and when required. Lamps, amplifier and all mechanical parts are conveniently located for easy service without any special tools.

So, when buying a 16mm. projector, consider service. Select one that requires a minimum of service, that is easy for the user to adjust and that has a fine nationwide service organization. By all standards of performance and service, De Vrylitz will continue to be your best buy—now and in the future. A new brochure offers you complete details. Write for your copy today. It's free. DEPT. E

TECHNICAL SERVICE
INCORPORATED

30865 FIVE MILE ROAD • Livonia, Mich.

tional workshop for school administrators on the Syracuse University campus, announces Virgil Rogers, dean, School of Education at Syracuse.

The purpose, according to Dr. Rogers, is to "bring together a representative group of school people to deliberate on some crucial problems in educational administration at this juncture of the twentieth century.

"We would hope to come to know each other better, to exchange

points of view, deliberate on common problems and explore what lies ahead for all of us in the days to come."

The administrators may encourage school board members, PTA officers or social studies teachers who might be interested to attend, Dr. Rogers said.

Membership in the workshop is limited to 50 participants.

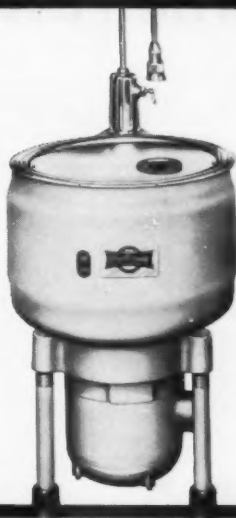
Dr. Rogers, a recent AASA past president will direct the International Workshop.

C. C. Goldring, director of education (superintendent of schools),

SE-390

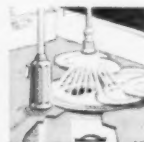
**PULVERIZES
2000 POUNDS
OF GARBAGE
PER HOUR!***

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completely new
WASTE KING®
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models



The most compact, efficient and powerful garbage disposers you can buy!

FOR RESTAURANTS, HOTELS, HOSPITALS, SCHOOLS, INSTITUTIONS!



Model IND 954 shown complete with overhead "Spray-Rinse" Pre-rinse ahead of dishwasher.



Model IND 854 shown with special Dome Cover for volume bulk feeding at central location.

IND models available with 1½ or 3 HP motors, and include necessary controls and fittings.

*Model IND 854-3

5 EXCLUSIVE WASTE KING FEATURES

- "Silver-Gard" saves silverware.
- "Rind-Ripper" cuts and shreds large pieces of melon rinds and fruit skins quickly.
- "Swirl-Sprays" automatically flush garbage into the Waste King.
- Rugged "Hush-Cushions" absorb noise and vibration under heavy volume loads.
- Revolutionary grind ring pulverizes faster, finer.
- Lifetime Grind Control controls grind size, prevents clogging.



GIVEN Manufacturing Co.
Largest Producer of Garbage Disposers in America

Write now for FREE "Line Folder"

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3301 Fruitland Ave., Los Angeles 38, Calif.

Name _____ Title _____

Firm Name _____

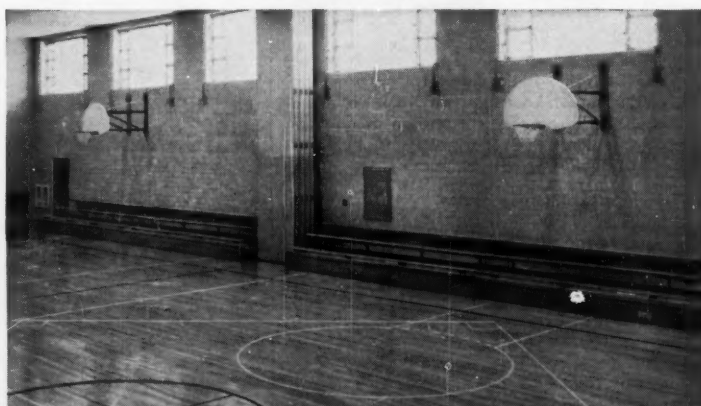
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Early planning with **BRUNSWICK-HORN**

BRUNSWICK-HORN Folding Gymnasium Seating automatically locks in place when opened or closed . . . needs no "live loads" to hold. Cross-braced understructure prevents sway or shake. Foot boards tilt when closing . . . spill litter to floor for quick, easy removal. Suits *any* gym, large or small!



BRUNSWICK-HORN Folding Partitions give you the convenience and flexibility of *two* gyms . . . unfold or fold . . . quick, easy and quiet. They lock securely in place without bolts . . . automatically seal with floor. Key-actuated switch prevents tampering.





gives your new gym a flexible future!

■ There once was a time when a gym was a gym . . . nothing more.

It's different today, and the difference comes from planning with Brunswick-Horn. Today's gym is multi-purpose and designed for beauty as well as utility. Besides accommodating school activities, it also serves the athletic, civic and cultural needs of the community. That puts the modern gym on a sound business basis.

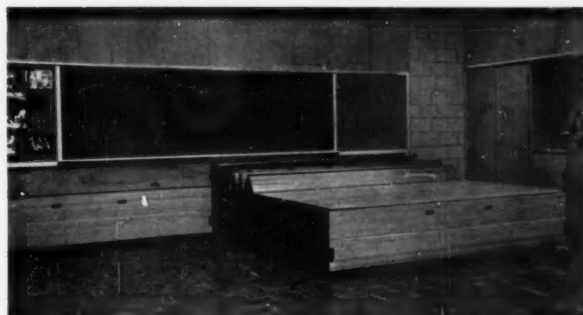
Long realizing the importance of a gym's many uses,

Brunswick-Horn has become a part of the planning that makes this possible. In fact, you'll find Brunswick-Horn gym equipment (Folding Partitions and Folding Gymnasium Seating) used everywhere . . . giving new gyms the flexibility they need to achieve maximum return through maximum use.

Why not make Brunswick-Horn part of *your* new gym plans? Start by writing today for complete information . . . have it handy when you need it.

Brunswick *Horn*

THE BRUNSWICK-BALKE-COLLENDER COMPANY
Horn Division, Marion, Virginia



BRUNSWICK-HORN Folding Stages make any classroom a little theater . . . in minutes. Fold compactly for storage, roll easily on large casters, yet lock securely in place when set up. Full range of sizes, all with fine furniture finish.



BRUNSWICK-HORN puts valuable classroom space to work with Folding Type Wardrobes. Exclusive features: recessed hardware . . . no torn clothes; continuous hinges . . . no pinched fingers. Choose from many models.

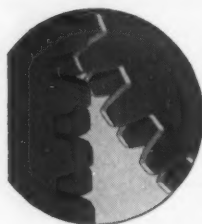
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FLOORS
FASTER!**



the engineered mop wringer

Geerpres

- EXTRACTS MORE WATER PER HANDLE OPERATION
- SQUEEZES MOPS DRIER WITHOUT SLOP OR SPLASH
- WRINGS MOPS UNIFORMLY
- PROLONGS MOP LIFE
- MINIMUM STORAGE SPACE
- EXTREMELY LONG LIFE
- QUIET AND EASY TO MOVE ON BALL BEARING RUBBER CASTERS



Exclusive Interlock Gearing multiplies pressure, squeezes mop DOWN, not out!

Fully guaranteed. Two styles and three size ranges to meet all mop wringing needs. Ask for literature.

GEERPRES WRINGER, Inc.
P.O. BOX 658 MUSKEGON, MICHIGAN

SPOTLIGHT

Toronto, who is a national figure in public school administration, will serve as lecturer and consultant during the second week of the workshop.

H. I. Willett, president of AASA, and superintendent of schools, Richmond, will serve as speaker and consultant during part of the first week.

Richard Lonsdale, professor of school administration, Syracuse University, and other staff members will serve as consultants.

U. of Pa. Work Conference Scheduled for July 11-22

PHILADELPHIA—The graduate division of the School of Education, University of Pennsylvania, is sponsoring a two weeks work conference for secondary school administrative personnel from July 11 through 22.

Conference leadership will be provided by a staff of fifteen educators

and administrators, representing New York University, Teachers College (Columbia), U. S. Office of Education, University of Pennsylvania and administrators from Delaware, Pennsylvania and New York.

Lectures and discussion groups will be interspersed with individual and small group conferences and educational tours. Two hours of graduate credit may be earned or one may participate in the conference on a non-credit basis.

Although the work is being planned primarily for experienced administrators, a limited number of beginners will be admitted.

Applications are being received up to May 1st. For information write to Dr. Hugh M. Shafer, conference coordinator, 3812 Walnut Street, Philadelphia 4.

NCCJ, 36 Colleges Feature Human Relations Workshops

NEW YORK—Thirty-six colleges and universities throughout the nation

SE-394

multi-purpose chart rack

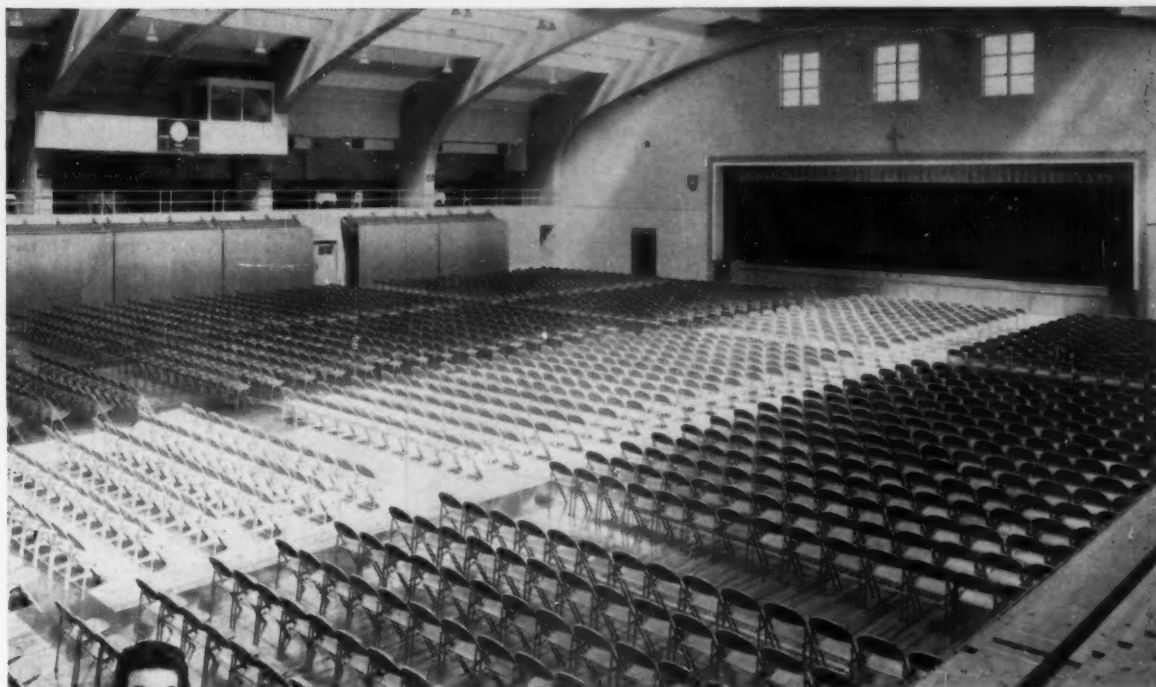


- Used for reading and spelling charts or any other activity where charts are necessary
- Fabricated from sturdy aircraft-type aluminum tubing
- Polished aluminum finish
- Rubber caps on base protect floors or tables—assure maximum stability
- Extra large, nickel-plated chart rings
- Hole pattern in frame allows chart rings to be adjusted to 3 widths—12", 15", 18"
- Strong—yet light in weight
- Easily stored—easily moved
- Write for further information and price

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McDonough Memorial Gymnasium, Georgetown University, D.C.



No. 54
folding chair

school audiences appreciate these comfortable folding chairs!

Students, faculty, and P. T. A. members unite in praise of American Seating Folding Chairs—the chairs designed for comfort, to eliminate squirming. Extra wide body-fitting seats and restful back panels assure easy sitting and relaxed listening. Durability, safety, and convenience

are other reasons why these chairs outnumber all others in school use. Ample braced steel tube construction—no tipping or pinching hazards—quiet-folding, and quiet in use. Unconditionally guaranteed in normal use, by the World's Leader in Public Seating.

FOUR POPULAR SEAT STYLES

No. 60 has wide, deep-spring seat, upholstered in washable Dupont Fabrilite.

No. 54 has formed birch seat.

No. 53 has shaped steel seat.

No. 56 has imitation-leather upholstered seat.

CAN BE GROUPED EASILY

Bar clamps lock American Seating Folding Chairs in groups of 2, 3, or 4 chairs, 1" apart, for quick alignment in large installations.

Steel threshold locks ends of rows, separating rows 30" back to back. Available in sections to accommodate 3 or more rows.



Book rack (fits these chairs only)—Snaps over rear cross braces; holds books up to 1 1/4" thick.



Storage trucks—Four styles for general or understage use. Swivel casters; removable handles.

American Seating Folding Chairs

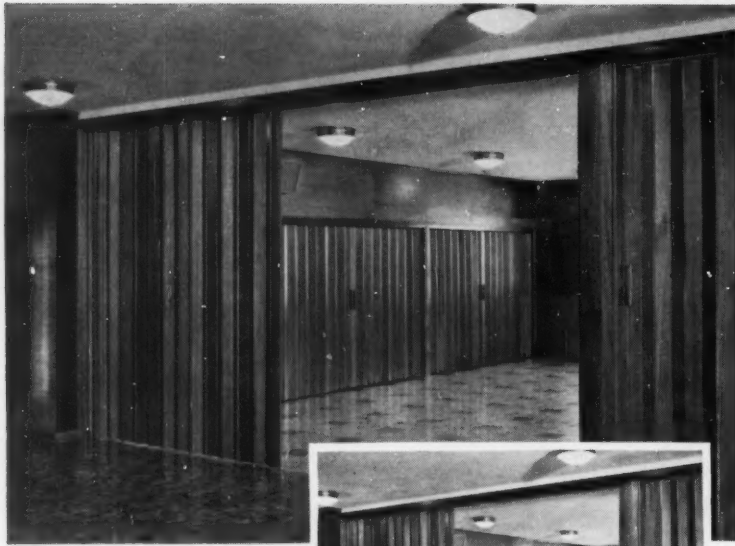
OVER 11 MILLION NOW IN SERVICE!

MAIL THIS COUPON TODAY

American Seating Company

Dept. 14-F, Grand Rapids 2, Michigan • World's Leader in Public Seating

- ☐ Please send your latest brochure on AMERICAN SEATING FOLDING CHAIRS
- ☐ I am interested in _____ (quantity) ☐ No. 60 Deep-Spring upholstered seat
- ☐ No. 54 Birch seat ☐ No. 53 Steel seat ☐ No. 56 Imitation-leather upholstered seat
- Name of school or church _____
- Street _____
- City and Zone _____ State _____
- Individual and title _____



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Your mathematics department probably would state it thus: $H \div P = C +$ (or Halls divided by PELLA WOOD FOLDING DOORS equal More Classrooms). It's the answer to today's problem of too many pupils for too few classrooms.

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SPOTLIGHT

will sponsor workshops on intergroup and human relations during the summer of 1955, reports Herbert L. Seamans, direction, commission on educational organizations, National Conference of Christians and Jews.

NCCJ, through the commission on educational organizations, will cooperate with these institutions in planning and presenting the workshops, according to Dr. Seamans.

Over 1,000 in 1954

In 1954, 1,006 educators and community leaders were enrolled in 28 workshops of this nature.

A seminar on intergroup relations in the community as part of the Institute on Family and Community Living at Vassar College is an additional offering.

The 62 regional offices of NCCJ cooperate with the various institutions in securing enrollment and providing modest amounts of scholarship aid. For further information, write Herbert L. Seamans, 381 Fourth Avenue, New York 16.

Conference Calender

MAY

24, Thirty-fourth Annual Convention, National Association of Educational Buyers, New York.

JUNE

12-14, Annual Meeting, Future Business Leaders of America, sponsored by the United Business Education Association, NEA, Chicago.

13-16, Nineteenth Annual National Conference, National Association of Student Councils and National Association of Secondary-School Principals, NEA, Ardmore, Pennsylvania.

JULY

3-8, Ninety-third Annual Meeting, NEA, Chicago.

4-7, Twentieth Annual Meeting, National School Public Relations Association, NEA, Chicago.

THE SCHOOL EXECUTIVE

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recent publications the school administrator will want to read, to pass along to associates, or "to have heard of"

The Community School And Community Self-Improvement

By Maurice F. Seay and Ferris N. Crawford, published by Clair L. Taylor, Michigan Superintendent of Public Instruction, Lansing, Michigan, 1954, 190 pp.

This ably presented, objective review of the goals, planning, activities and accomplishments of the Michigan Community School Service Program should rank high on the administrator's list of "books to buy."

The report is based on the written records compiled while the program was in operation from July 1, 1945 to October 1, 1953.

Roles played by various persons and agencies are described. The evaluation of the program will be quite helpful to those interested in initiating programs of a similar nature.

Schools in Transition

Edited by Robin M. Williams, Jr., and Margaret W. Ryan, University of North Carolina Press, 1954, 272 pp., \$3.00.

This is the second of four volumes planned from the Ashmore project, a study of communities experiencing transition from racially-segregated to integrated schools.

The first volume, published coincidentally with the Supreme Court decision against segregation, was *The Negro and the Schools*, an out-spoken book reviewed in this magazine in July, 1954 (page 49).

The Ashmore project—named after the project's director, Harry S. Ashmore—sent research teams into 24 communities recently, revising their segregation policy. All were outside the South, but bordering it in a wide, geographic arc.

In these communities, from New Jersey to Arizona, complex local forces brought a variety of responses to the transition. Desegregation is shown to be an uneven, shifting

process, not a sudden, massive change. But in the communities observed in this study, some similarities emerged. Notable among them: wherever desegregation has been tried, the typical eventual outcome has been public acceptance of the transition.

Public Education and The Future of America

Educational Policies Commission, NEA, 1201 Sixteenth St., NW, Washington 6, D. C., 1955, 98 pp., \$1.50.

Educational policies and practices are reappraised in view of America's great need for citizens of character and ability in this era of great decisions.

Reviewing the history, values and services of our unique system of public education, the Educational Policies Commission finds worthy guides and goals for the nation's educational future.

The Education of Migrant Children

By Shirley E. Greene, National Council on Agricultural Life and Labor, in cooperation with (and published by) the Department of Rural Education, NEA, 1201 Sixteenth St., NW, Washington 6, D. C., 1954, 179 pp., \$2.50.

"Children of misfortune" is the term applied to the estimated half-million children of migrant farm workers in the United States. Their plight with respect to formal education is graphically described in this study.

Research activities centered on four local areas considered representative of the seasonal labor problem. Statistics show a grave situation for migrant children, and their numbers and dispersal raise questions of urgent national concern.

The competence of this survey and the validity of its recommendations are heartening, for it marks a milestone in broader understanding of a complicated problem and offers prac-

tical guidance in corrective measures to persons and agencies capable of implementing them.

Secondary School Activities

By Frederick C. Gruber and Thomas Bayard Beatty, McGraw-Hill Book Company, New York, 1954, 307 pp., \$4.50.

In indicating and justifying the place of student activities in high school, Professor Gruber of the University of Pennsylvania and Professor Beatty of Bucknell University make the following observation:

"Whereas in the curriculum it is often necessary to limit or to select course offerings in order to ensure adequate preparation for the pursuit of higher education or to assure occupational efficiency upon graduation, student activities are not subject to such restrictions . . . Student activities then contribute in a special way to what the founding fathers of our republic meant when they wrote . . . the phrase, 'the pursuit of happiness.'"

They note, further, that student activities work against social barriers and encourage performer as well as spectator participation in varied experiences.

Specific suggestions are offered on direction of student activities in the various fields, such as home room, student publications and clubs.

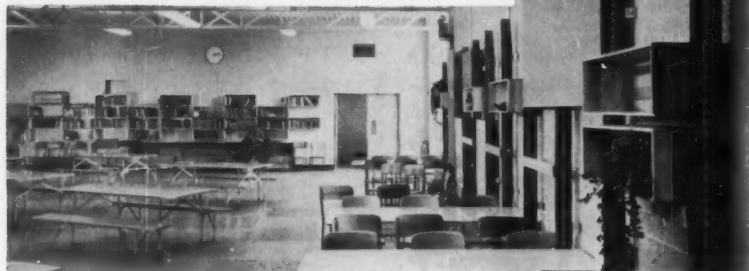
The Board of Education and Educational Policy Development

By Max S. Smith and W. Ray Smittle, Oakland Education Press, Clawson, Michigan, 1954, 110 pp., \$2.25.

This resource book should get an enthusiastic reception, for it offers solid and comprehensive information in an area of "felt need" and it is highly readable.

Dr. Smith, superintendent of schools in Highland Park, Michigan, and Dr. Smittle, professor of education at Wayne University, provide stimulation and guidance to school

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boards and their staffs in the development of written policies for administering schools.

The book reviews the historical development of written and well-reasoned local educational policy, gives reasons for codifying policies, and suggests detailed procedures for policy formulation. Written policies that are nationally representative are reported and a model set of policies is offered for guidance.

Finance in Educational Management of Colleges And Universities

By Thad L. Hungate, *Teachers College, Columbia University*, 1954, 202 pp., \$3.75.

Concepts of fiscal management appropriate to present-day colleges and universities are ably discussed by Dr. Hungate, controller and professor of education at Teachers College, Columbia.

He stresses the relationship of finance to basic educational policies and program, pointing out that budgeting involves a weighing of values against costs.

A History of American Education

By Stuart G. Noble, *Rinehart and Company, New York*, Revised 1954, 552 pp., \$5.00.

Numerous revisions and insertions bring up-to-date this 1938 textbook for teacher training.

The author, professor of education, emeritus, Tulane University, spent many years teaching a course on the development of public education. His interpretative history reflects the organization and balance of those years.

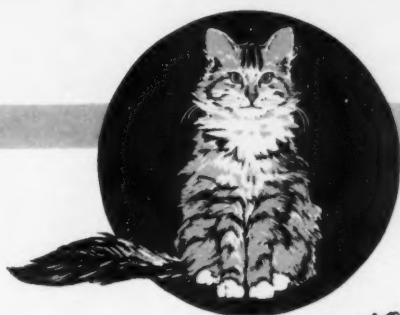
Founding Public Junior Colleges

By Elbert K. Fretwell, *Teachers College, Columbia University*, 1954, 148 pp., \$3.75.

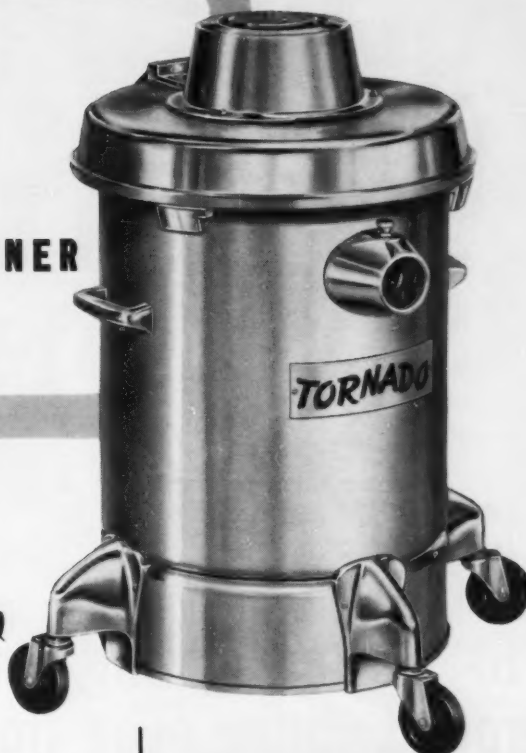
For students of the junior college movement and persons considering the establishment of such schools in their own areas, the major factors in the founding of six comparatively representative junior colleges are

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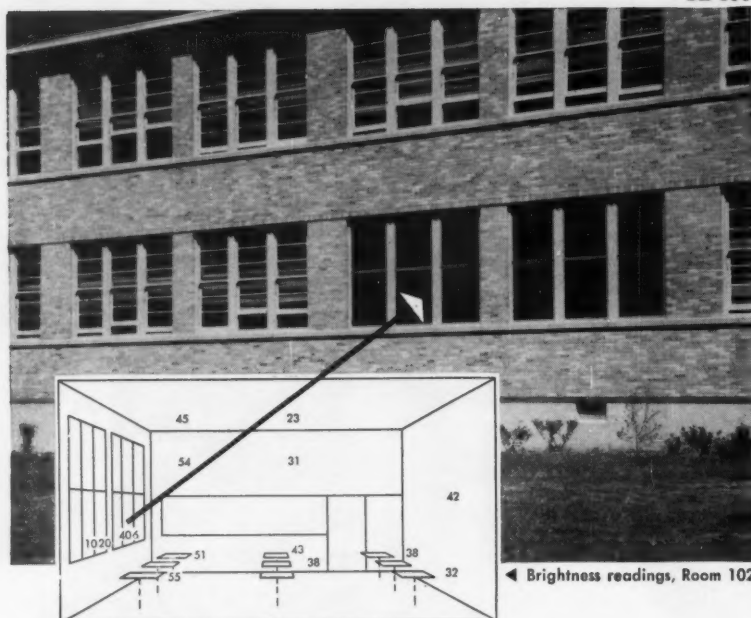
May, 1955



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How KoolShade gave this test Classroom 76% better lighting balance to protect young eyes from glare

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To educators, a test of this type points to a better method of daylight control—without supplementary de-

vices that require constant adjustment and maintenance. To the students of "Room 102" it means more: the kind of balanced lighting that protects young eyes from glare.

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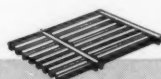


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reviewed.

Schools studied were in Chicago and Joliet, Illinois; San Bernardino Valley and Contra Costa, California; Montgomery County, Maryland and Orange County, New York.

The Adolescent Exceptional Child

Proceedings, 1954 Spring Conference, Child Research Clinic, The Woods Schools, Langhorne, Pa., 79 pp., Available on request.

The conference here reported was third in a series on problems of mentally-retarded or emotionally-disturbed children.

Previous conferences considered retarded children in infancy and early childhood and in pre-adolescent years. This one centered on diagnosis, training and occupational placement of retarded adolescents.

All publications of the Child Research Clinic of The Woods Schools are distributed as a public service.

Statistical Methods for The Behavioral Sciences

By Allen L. Edwards, *Rinehart and Company, New York, 1954, 542 pp., \$6.50.*

Professor Edwards, who teaches psychology at the University of Washington, obviously strove for simplicity in preparing this text for students of the behavioral sciences.

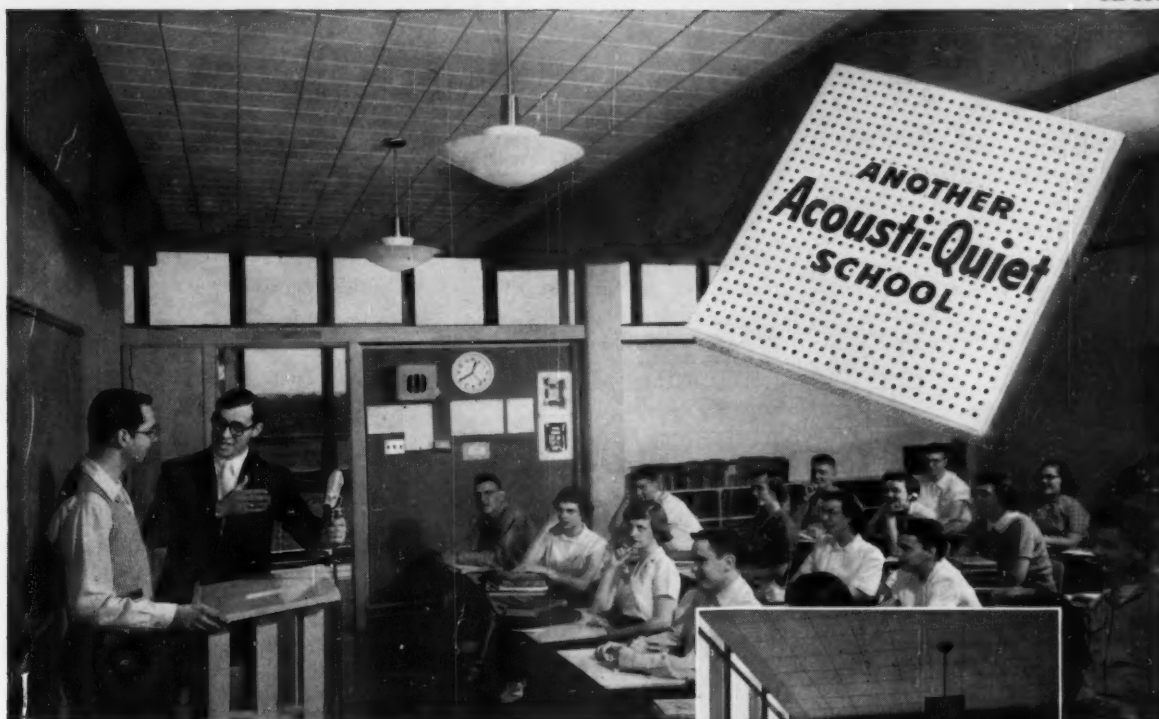
He presupposes only minimum mathematical facility and starts—as he notes—"from scratch" in guiding the layer-upon-layer acquisition of knowledge in statistical procedures.

Explanations, illustrations and suggested exercises direct the student in learning statistical methods to describe averages, differences and relationships; to design experiments; to determine reliability of generalizations and to predict performance.

Handbook for Homeroom Guidance

By Vivian Ross, *The Macmillan Company, New York, 1954, 132 pp., \$2.50.*

A teacher of high school English



Keokuk Senior High School, Keokuk, Iowa
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in Cincinnati offers this practical manual in response to a need regarded as acute among teachers inexperienced in homeroom guidance.

Such teachers often flounder in inadequacy when assigned to homeroom duty, the author complains, because their supervisors are too

hurried to give detailed help in homeroom guidance methods, and because professional literature in the field is usually written by college professors or school administrators, who focus on theory and administrative aspects of the subject.

This step-by-step handbook gives good advice on how to keep the homeroom guidance ship afloat while the teacher builds confidence and accumulates techniques.

Competent Teachers for America's Schools: Lay-Professional Programs To Secure and Retain Qualified Teachers

National Commission on Teacher Education and Professional Standards, NEA, 1201 Sixteenth St., Washington 6, D. C., 1954, 322 pp., \$1.00.

This report is fortunately not so labored as its title. It is the story of the Albany Conference, ninth in a series of annual national conferences sponsored by the National Commission on Teacher Education and Professional Standards. It was held at Albany, New York, in June, 1954.

The meeting sought to develop lay-professional programs promoting a balance in teacher demand and supply. It focused on twelve problem areas in the securing and retaining of qualified teachers.

OTHER PUBLICATIONS AND PAMPHLETS

Techniques for Studying Certain School-Community Relationships, by Paul P. Williams, is the first of a series on this topic, undertaken through the University of Florida Southern States Cooperative Program in Educational Administration. Leadership Study, 314 P. K. Yonge Bldg., College of Education, University of Florida, Gainesville, Fla. Price: \$5.00.

Current Issues in Higher Education, 1954. Proceedings of the Ninth Annual National Conference, Association for Higher Education, in Chicago, March 4-6, 1954, including major addresses and resolutions. NEA.¹ Price: \$3.00.

Official Report, NEA Department of Classroom Teachers, 1953-54, contains reports of department officers and committees; names of committee members and advisory council members; department platform; resolutions; and a list of department publications. NEA.¹

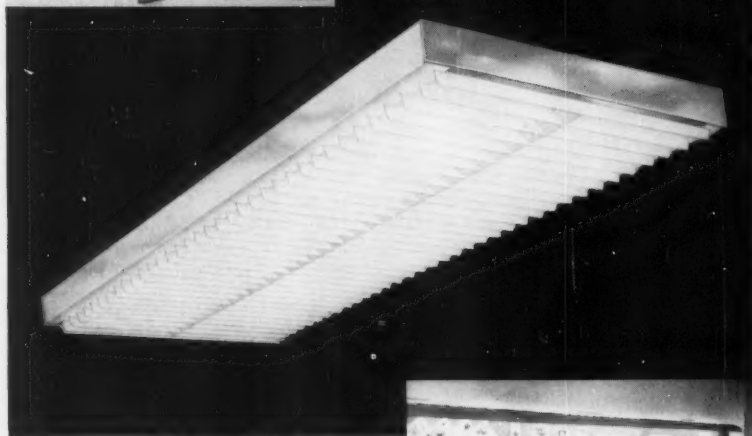
¹ Pamphlets published by National Education Association departments may be obtained by writing to 1201 Sixteenth St., N. W., Washington 6, D. C.

SE-402



As basic to modern education as a standard dictionary or encyclopedia is contemporary school lighting. Today's teaching techniques depend heavily on learning by seeing and demands on young eyes are very great. School lighting is an intricate science involving ideal light distribution, proper shielding, brightness and glare factors plus the mechanics of delivering quality lighting where it is needed.

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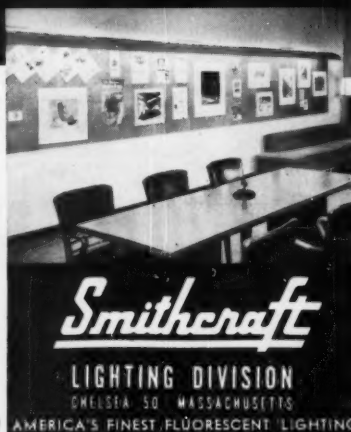


SHERATON Ideal for surface mounting on many of today's 9-foot ceilings in modern schoolrooms because of its extreme shallowness. A wafer-thin (only 3 1/4" deep) smoothly-styled louvered fluorescent unit with translucent plastic sides.

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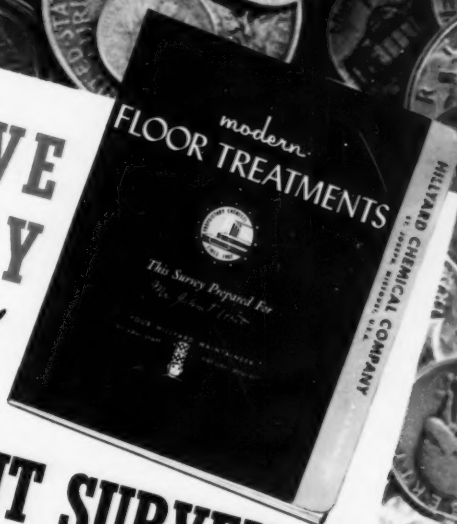
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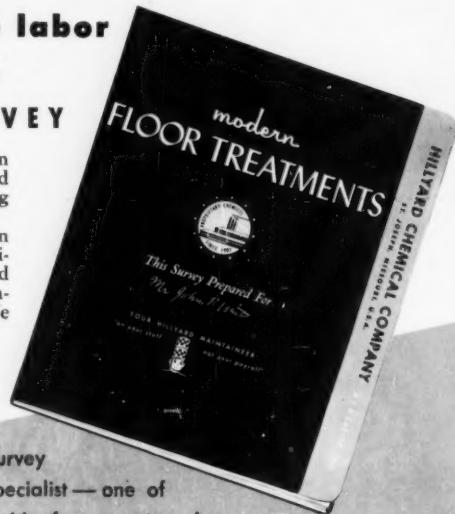
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WASHINGTON SCENE

news from the Capitol affecting education

Disclaims responsibility

New York *Times* reports that the Bennion Sub-Committee of the Commission on Intergovernmental Relations opposed all kinds of federal assistance to education have been called "leaks" by the Commission. It disclaimed any responsibility for publication of excerpts from its subcommittee's recommendations (see page 97).

UMT legislation

As the milling crowds of youth descended from sightseeing buses, punctuating the final days of March with gay laughter, attractions other than the cherry blossoms along the Potomac and the Tidal Basin appealed to them.

They sought places in the galleries of House and Senate and seats in committee rooms where hearings were in progress on matters that have a bearing on the future of many of these young people.

Proposals for universal military training were among topics of great interest.

The two bills on this subject getting most consideration are sponsored respectively by the American Legion and the Department of Defense.

The American Legion bill calls for the participation of all physically and mentally fit male youth for a period of four months intensive training, before they reach the age of nineteen, at a time interfering least with educational careers.

Following the training period, the rookies would, under the most favorable conditions, remain in the reserves no longer than five years. In general, the proposal offered by the American Legion calls for a comparatively small standing army of professional soldiers with a reserve limited only by the population of

eligible young men.

The Department of Defense has moved into action with a measure which would result in a much larger standing army and a correspondingly smaller reserve force, although the period of reserve service would extend to eight years. The Pentagon proposal calls for six months intensive training instead of four.

Both of these measures are now before committees engaged in modifying them for hearings and for introduction on the floors of the respective houses of Congress.

Educators are being asked for support by the advocates of each of the principal "security training" measures. At the present moment, NEA stands by its platform "that adequate preparedness is necessary for national security and (the Association) remains convinced that the American people must be alert to the need for such security; therefore it calls upon the federal government to administer a federal program that will provide adequate national defense. . . ."

In effect, this platform leaves to the military experts the decision for the operation of a program that is "adequate." The only qualification made by the NEA platform is that the organization "condemns any form of legislation which in the name of national security sets up parallel educational agencies that absorb, supplant or duplicate the programs of educational facilities now in existence."

The National Association of Secondary-School Principals at its recent convention adopted a resolution opposing "any provision for compulsory military service prior to the age range of 18½-20 years or graduation from high school, whichever comes first." The principals supported the other provisions of the Pentagon bill.

AASA has now before it a resolution which says, "we believe that a system of military service is essential and that the youth of this nation should be advised of their obligation and responsibilities for patriotic service."

The Tenth National Conference held by the NEA Department of Education in Chicago voted down a resolution "to oppose actively any legislation which proposes the adoption of universal peacetime military training."

However, the participants adopted instead a resolution which urged "the Association actively to continue to scrutinize any legislation which proposes the adoption of universal peacetime military training."

The hesitancy of educators to define "adequate defense" is understandable, since the nature of defense is continually changing to conform to the use of new weapons and new strategy.

Both weapons and strategy are frequently "classified," and only those who are close to planning and operation can know what manner of personnel organization and training will be most effective.

The educational world, both at the secondary and college levels, can be expected, however, to safeguard as far as possible the educational opportunities of American youth.

School Building Aid

As Senate hearings on emergency school construction concluded, Chairman Graham A. Barden (D-N. C.) of the House Education and Labor Committee, announced hearings in which Congressmen, advocates and opponents of school construction and administration spokesmen are testifying.

Nearly 50 witnesses appearing over a three-day span before the Senate Labor and Public Welfare

Committee asked for prompt Congressional action, most of them supporting the bill introduced by Sen. Lister Hill (D.-Ala.) and sponsored by 29 other members of the Senate.

The hearings closed with witnesses for the administration school housing bill. Among them was Oveta Culp Hobby, secretary, Department of Health, Education and Welfare.

Mrs. Hobby reported a new look at the school classroom shortage reducing the estimated need in 1960 from 407,000 to 176,000 classrooms.

"Classroom construction has in-

creased since 1953 from 50,000 to 60,000 classrooms per year. Many communities have found they can by repairs and renovation extend the life of schools to a greater degree than anticipated."

She declared that even the curtailed program of aid offered in the bill prepared in her department would be sufficient to provide housing for the nation's children.

In the meantime, an amendment was offered by Rep. Adam Clayton Powell (D.-N. Y.) which would require each state before receiving aid

to "certify that school facilities of the state are open to all children without regard to race, in conformity with the requirements of the U. S. Supreme Court decision."

Supplementary testimony of NEA Executive Secretary William G. Carr pointed to the fact that "no such provision is now in federal statutes which authorize grants for colleges of agriculture and mechanic arts, vocational education, school lunches, or schools in federally-affected areas, nor does such language appear in federal statutes authorizing grants to construct hospitals or airports, although some states practice segregation in them."

SE-404

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Typical school installation showing 24 Tiffany Stands in an outstanding Township High School and Junior College.



MODEL 5002—4-cup open top stand. Heavy iron castings rest solidly on floor, cover retractable casters. 2 large drop leaves attach flush with top or low for posting tray.

Tiffany Stands with their heavy solid steel construction are designed to take rough everyday classroom use and keep machine maintenance costs at a minimum. The open top is completely adjustable to accommodate practically every type of office machine. The machines lock in place, eliminating the danger of costly accidents. There's considerable reduction in noise too, since machine noises go through Tiffany's open top, do not rebound.

Ask your Tiffany dealer to show you how these stands can cut costs in your classrooms.

**Often Imitated . . .
Never Duplicated**

*Write for full
color brochure*



WH conference plans

A third meeting of the White House Conference Committee created six special sub-committees to deal with the major areas of education with which the White House Conference will deal (see pages 11, 15).

The areas chosen for consideration and the chairmen of the sub-committees responsible for them are as follows:

"What Should Our Schools Accomplish?", James Killian, president, Massachusetts Institute of Technology; "In What Ways Can We Organize Our Schools More Efficiently and Economically?", H. Grant Vest, state commissioner of education, Colorado; "What Are Our School Building Needs?", former Gov. W. Preston Lane, Maryland; "How Can We Get Enough Good Teachers and Keep Them?", Mrs. Rollin Brown, National Congress of Parents and Teachers; "How Can We Finance Our Schools—Build and Operate Them?", former Lt. Gen. Frank C. Moore, New York; "How Can We Obtain a Continuing Public Interest in Education?", Jesse G. Stratton, president, National School Boards Association.

Postal law changes

Under discussion on the Senate floor is a measure providing for the readjustment of the postal classification of educational and cultural materials (see Spotlight).

Whatever
Seating Style
You Prefer

Griggs
Builds it
Better

Study the construction features of Griggs furniture for just a minute — you'll soon see why this fine school seating has met complete acceptance *everywhere*. It's styled for comfort, beauty... built for durability. And there's a warmth of color about it... you can choose from five metal finishes to make your school even more attractive.

Write today for your copy of the latest Griggs School Seating Catalog with full information on Griggs classroom and auditorium seating.



For the roominess that goes with a separate desk and chair, select the Griggs Airliner No. M700 Desk with matching No. 740 Chair. Sturdy tubular steel with sparkling hardwood plywood. Spacious book compartments. Plastic desk tops available if desired.



For the single chair desk unit, select the handsome Griggs Skyliner No. 450. Easily adjustable desk top raises or lowers 3 inches. Three seat heights meet all classroom requirements. Solid steel book compartment welded for strength.

Griggs
Equipment Company

BOX 630
BELTON, TEXAS

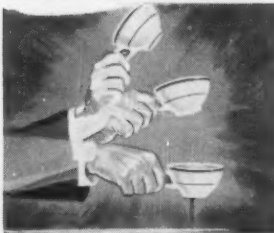
MANUFACTURERS OF SCHOOL, CHURCH, AND THEATRE SEATING

NOW! A Complete Line Corning **DOUBLE-**

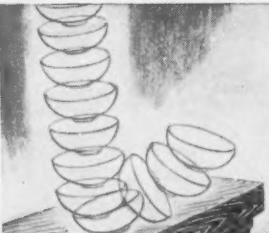


SAVE FREIGHT COSTS ORDER THIS EASY WAY!

You'll get quick delivery and save money on shipping by always ordering through your CORNING Double-Tough Dealer.



1. PROOF of sensational durability. Cups hammer 3-inch nails through heavy board without breaking.



2. SO TOUGH you can drop them without damage from a height twice as great as other ware. Cuts breakage.



3. 20% LIGHTER in weight than competitive ware. Easier to stack, handle and carry. Your help will like this.



4. WASHES EASILY. Double-Tough's hard, smooth surface comes thoroughly clean every washing.

Of Money-Saving **TOUGH** DINNERWARE!



*No Matter How Rough You Treat Them,
They'll Cut Your Replacement Costs!*

● **Ever since** this amazingly durable dinnerware was introduced, food servers have been urging us to fill out the line. Now, here it is—a complete set of CORNING *Double-Tough* Dinnerware!

● **Every** beautiful piece will put money in your till! Its durability is unmatched. Its beauty will last and last and last. No matter how tough your help and cus-

tomers treat these pieces—you will save money on replacement costs!

● **Twelve additions** have been made. Above is the entire line—twenty-one pieces of dinnerware and four styles of tumblers. Why not standardize on CORNING *Double-Tough* right now! See your authorized CORNING Double-Tough Equipment Dealer today!

**NOW
21
DOUBLE
TOUGH
ITEMS**

CORNING **DOUBLE-TOUGH**

COMPLETE LINE OF DINNERWARE AND TUMBLERS

Made by the Makers of Famous **PYREX** Brand Ware

CONSUMER PRODUCTS DIVISION, CORNING GLASS WORKS, CORNING, NEW YORK.

"Corning," "PYREX" and "Double-Tough" are trade-marks in the U.S. of Corning Glass Works, Corning, New York

TODAY'S MOST MODERN
COMMERCIAL GAS COOKING
EQUIPMENT SPECIALLY
DESIGNED FOR MODERATE
SIZED KITCHENS

NEW

New features and styling, easy to keep clean and new-looking.

MODERN

Streamlined design throughout. Double-wall, double strength elevated shelf.

THRIFTY

Saves fuel. Saves operating time. Saves cleaning time.

DURABLE

Formed steel construction provides maximum strength. Welded joints are tight forever.

Available in Stainless Steel (as shown), Black Japan, or Lustre-Line gray finishes.

FOR INFORMATION WRITE Magic Chef, Inc., St. Louis 10, Missouri

Magic Chef

CAFE LINE

**commercial GAS
cooking equipment**

SCHOOL LUNCH

by CHARLOTTE J. COLBY

Director of School Lunches
Concord, New Hampshire

IN CONCORD, AS in other American communities, the school lunch is a fast-growing part of the school program. With increased participation in the total educational program, have come new opportunities for unusual learning situations.

Here in the capital city of New Hampshire, we serve an average of over 1,400 children daily. There are nine elementary schools, two junior highs and a senior high.

Each has its kitchen and dining room. And in each, the cook frequently uses recipes requested by the children so that they may have foods not too different from those at home.

In the elementary schools, we have set up a host and hostess system which offers all who participate an opportunity to learn desirable eating habits, good social graces and skills and a chance to work with the program themselves.

Fifth- and sixth-grade girls serve as hostesses. The host, a fifth- or

sixth-grade boy, seats the hostess at the beginning of the meal, assists her where necessary and sits opposite her.

In some elementary schools, we serve family style in addition.

In the picture below, Nancy, a sixth-grade girl, has set her table and received hot food in an aluminum casserole dish from the kitchen. The servings have been pre-portioned by the cook with a scoop or cut with a knife to aid Nancy in serving even amounts to her tablemates. Serving dishes are used for other vegetables and salads and a bowl for gravy and sauces.

The host, Bruce, seats Nancy, and helps by passing sandwiches and any raw vegetables or cheese placed in the middle of the table. After first portions are completed, Nancy ascertains the quantity needed for seconds and takes her casserole and vegetable dish to the kitchen for the correct portions.

At the end of the meal, she stacks

Children's needs set our lunch program

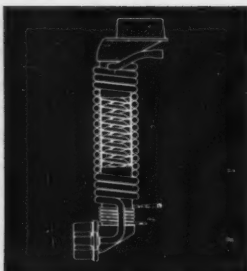
Host and hostess for this table of elementary school youngsters about to eat lunch are sixth-graders Bruce (right) and Nancy (left). Children learn good table manners and social graces and skills when eating "family style." Besides, Nancy's order for seconds assures quick results from the kitchen!



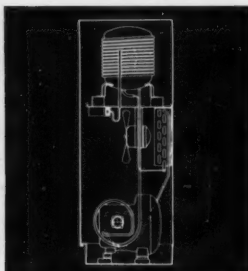
How to Buy a WATER COOLER!



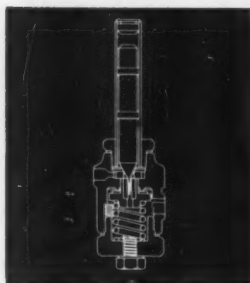
LOOK for Finger-Tip and Toe-Tip Dual Electric Control, at no extra cost, a Westinghouse exclusive!



LOOK for patented Pre-Cooler and Super Sub-Cooler — assurance of more cool water for less money.



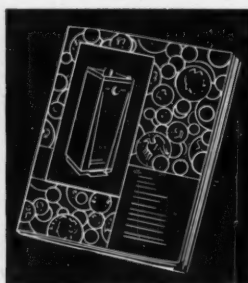
LOOK for a hermetically-sealed refrigeration system, your assurance of trouble-free performance.



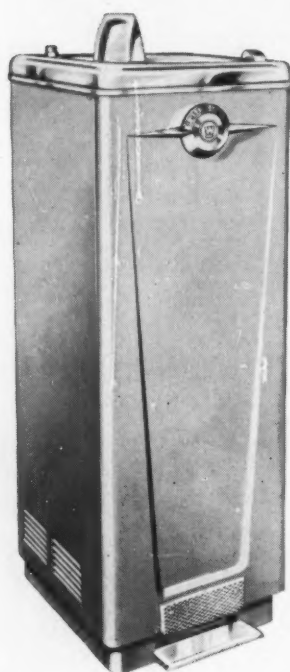
LOOK for leak-proof Solenoid water valve and sealed circuit — for less wear, easier operation.



LOOK for 5-year Guarantee of entire hermetically-sealed refrigeration system.



SEND for Free Booklet. See how the Westinghouse Water Cooler Pay-Way Plan saves you money.



Only Westinghouse offers all these benefits at no extra cost

Whatever your water cooler needs, Westinghouse has the right type and the right size to fit your exact requirements. That's one of the reasons why more Westinghouse water coolers are sold than any other brand.

What's more, the Westinghouse Pay-Way Plan shows how you can actually save money through the proper location of coolers in relation to work areas. So let Westinghouse solve your water cooler problems—help you cut costs and save money! For your free copy of the Pay-Way Plan call your Westinghouse Water Cooler distributor or write: Westinghouse Electric Corporation, Electric Appliance Division, Springfield 2, Massachusetts.

YOU CAN BE SURE...IF IT'S

Westinghouse



Grade One pupils say grace before beginning lunch. Whenever possible, these youngsters eat by themselves to assure better learning conditions and to permit closer supervision.

the dishes, dismisses her table, returns dishes to the kitchen and wipes the table.

She certainly is busy, but she eats her meal with the others. It is considered a privilege to be asked to serve as hostess, for there usually is a waiting list of applicants for the position.

The system has turned lunchroom into dining areas where courtesy, good table manners and pleasant conversations reign.

First grade eats alone

In some of the elementary schools, the lunch rooms are too small to accommodate the entire school at one time. For this reason, we often feed the first grade at the end of the morning session or one half-hour before the others.

This provides an opportunity to teach first-graders correct table manners as a group, to adjust them to foods new to them and to old foods prepared in new ways. It also permits close supervision by the principal or teacher who has charge of the lunchroom at the time.

One problem we have had with first-graders is their tendency to look about instead of eating the food while it is hot. Once cold, they reject their plates. They are more easily encouraged to eat at once and finish all when they eat with a small group of classmates.

Adolescent appetites provide the greatest challenge in our high school

MELMAC® DINNERWARE

*saves \$4,000-\$6,000
in replacement costs yearly
at The Citadel*

THE MILITARY COLLEGE OF SOUTH CAROLINA



Another illustrious proving-ground for break-resistant dinnerware made of MELMAC, molding material: *The Citadel*, serving over 5,000 meals a day! And, quite aside from MELMAC's low replacement cost, the college authorities and cadets like it for its colorful good looks.

The managers of dining operations, coast to coast, also like the ease and safety with which MELMAC can be washed in automatic dishwashers... the way it stacks and handles so quietly that patrons often comment ...and its light weight, a boon to those who carry the trays!

Like to get in on these advantages? Ask your supplier for genuine MELMAC!

MELMAC is a registered trade-mark of American Cyanamid Company, N.Y. 20, N.Y., supplier of MELMAC Molding Compounds to manufacturers who fashion high-quality dinnerware in a variety of designs and colors.

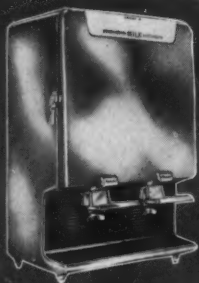


AMERICAN *Cyanamid* COMPANY

PLASTICS AND RESINS DIVISION

38D Rockefeller Plaza, New York 20, N. Y.

In Canada: North American Cyanamid Limited, Toronto & Montreal



**Get a Norris
Milk Dispenser
for your school.**

You can pay for it
through your savings
in buying milk in
bulk instead of
half-pints.

**"We serve 330%
our**



... says Miss Ida

... children love the colder milk

"Our Norris Milk Dispenser holds milk at a refreshingly cold 35°. Chilled milk tastes better and seems richer. And our Norris Dispenser aerates the cold milk as it pours ... for a new and sparkling flavor. Children stop drinking milk when it is flat or not cold enough. Our 330% increase shows that children love the colder milk that our Norris dispenser serves."




more milk with Norris Milk Dispenser!"

A. Green, Principal of Beaser Elementary School, Ashland, Wisconsin

... small fry serve themselves

"All grades, even the kindergarten small fry, serve themselves without direct supervision. They are all enthusiastic about the fun and responsibility of working the dispenser themselves . . . there is no spilling. Our 260 pupils take less time using the Norris Milk Dispenser than was involved in their handling half-pints, straws and glasses."



Norris
Milk Dispensers
*serve milk faster
... colder!*

NORRIS DISPENSERS, INC.,

2720 Lyndale Ave. So., Minneapolis 8, Minnesota

Please send me your brochure, "How to Solve Milk Service Problems in Schools and Colleges."

Name _____

School _____ Title _____

Address _____

City _____ State _____

End Tedious Hand Sorting, Counting, Wrapping!

Sort, count and wrap coins for deposit 15 times faster than by hand. Do the job mechanically with KLOPP time-tested machines. These machines are priced so you can afford the convenience they offer.

Positive Accuracy



Counts
2,000
coins per minute and
wraps for deposit.



Sorts
1,000 coins per minute.

For greater accuracy and because of teacher shortage many schools are now using KLOPP machines, for sorting, counting and wrapping lunch room and special event collections.

Machines will be shipped on free trial if desired.

KLOPP ENGINEERING, INC.
35551 SCHOOLCRAFT RD.
LIVONIA, MICHIGAN

Please send prices and data on Klopp machines.

School _____
Address _____
City _____ State _____
Per _____

LUNCH

cafeterias. Boys at this age cannot be "filled" regardless of the amount or type of meal one offers. Additional milk or even an addition meal is often necessary.

Boys in line for lunches exceed the number of girls in these schools. In an attempt to find out why, I joined various groups of junior and senior high girls at lunch. I discovered that they found the meals too heavy.



Salad tray alternate for regular hot plate originated when high school girls complained meals were "too heavy." Author found, however, that boys of this age "cannot be filled."

The girls suggested more salads. We now offer an alternate tray including a plate with salad, sandwich or roll and raw vegetable, with milk and dessert.

This tray takes more planning in order to include correctly the two ounces of protein, three quarters of a cup of fruit or vegetable, two teaspoons of margarine, at least one slice of bread or roll and one half pint of milk.

Our most popular salad is tuna fish, but egg, fruit combinations and vegetables are well accepted. Often a raw vegetable salad included on the regular tray is used with a protein salad on the salad plate. The teachers appreciate the salad trays also.

Our boys and girls give us helpful suggestions which I try to include in my menus for the following month.

To help mothers plan their meals at home, our menus are published one week in advance in both home-rooms and in the local newspaper.

180,000

answers
to school cafeteria
budget problems

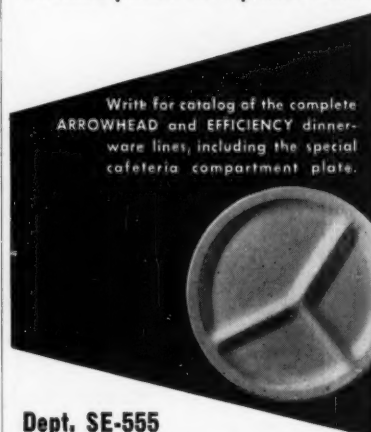


180,000

ARROWHEAD
Cafeteria Trays

in use in schools
across the country...
giving extra service
at minimum cost!

- No chipping! No breaking!
- Serve a whole meal in one unit.
- Stack easily. Wash easily.
- Light in weight. Save labor.
- Scientifically designed of Melmac plastic in 5 pastel colors.



Write for catalog of the complete ARROWHEAD and EFFICIENCY dinnerware lines, including the special cafeteria compartment plate.

Dept. SE-555
international molded plastics, inc.
cleveland 9, ohio

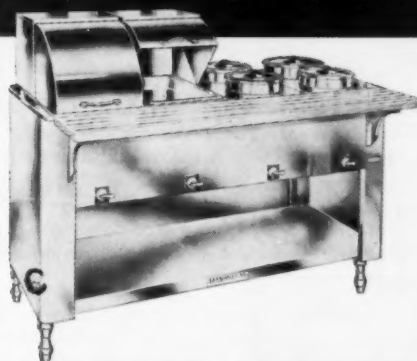
THE SCHOOL EXECUTIVE

Drop in and see us, Combined AGA Exhibit, National Restaurant Show, Chicago, May 9-13.

First on the list of places to wine and dine in Quincy, Ill., is *The Steak Pit*, one of five popular rooms in Stipp's Restaurant.

The feeling of mysterious spaciousness is the result of charcoal color walls and ceiling, pierced by pinhole lighting in movable ceiling panels.

Patrons select their own steaks from a tempting, carefully aged selection in a special refrigerated display case and watch them cooked to their own taste over open charcoal broilers.



we know by experience

THURMADUKE KEEPS FOOD BETTER

"No other food warmer has given us the service we are getting from our Thurmaduke Waterless jobs", says Mrs. Edna Stipp.

"We particularly like the Selective Heat Control because it lets us keep each food at the right temperature; that means we hold the flavor better and there's less drying out and shrinkage. We find it costs quite a bit less to operate, too. All in all, we are only sorry we didn't make the change to Thurmaduke, sooner."

"We put in our first Thurmaduke over 8 years ago and we've yet to spend our first dollar on it in maintenance or repairs."

Whether your operation is large or small, cafeteria or table service, there is a Thurmaduke Waterless Food Warmer or Standard Unit Cafeteria Counter in a size or combination of units to fit your plans and improve your food service.



Clip and Mail Today

DUKE MANUFACTURING CO. Dept. S-55
2305 NO. BROADWAY, ST. LOUIS 6, MO.

Please send complete information on

☐ Cafeteria Counters ☐ Waterless Food Warmers

NAME _____

ADDRESS _____

CITY AND ZONE _____ STATE _____

THURMADUKE

DEPENDABLE FOOD SERVICE EQUIPMENT

THURMADUKE WATERLESS FOOD WARMERS • STANDARD UNIT COUNTERS AND OTHER EQUIPMENT

May, 1955

CARING FOR WAXED FLOORS IS...



A cinch with Sanax

It waxes as it cleans!

REDUCES THE FREQUENCY OF REFINISHING

Sanax was developed to permit frequent cleaning of waxed floors *without washing away the finish* . . . and to eliminate waste in wax and labor. A neutral liquid soap with a wax base, *Sanax* not only quickly removes dirt, oil, and grease, but *leaves a thin film of wax*. In fact, regular use of *Sanax* to machine-scrub or damp-mop waxed floors *actually prolongs the life of the finish*, and thereby reduces refinishing costs on a year-to-year basis.

Like all *Finnell Fast-Acting Cleansers*, *Sanax* is specially designed for the greater speed of machine-scrubbing, and works as effectually in a *Combination Scrubber-Vac* as in a *Conventional Scrubber-Polisher*. And because *Sanax* is processed from pure vegetable oils, it's *safe for all floors*.



A 100 Series
General-Purpose
Finnell
11, 13, 15, 18"

Find out how you can simplify and reduce the cost of caring for waxed floors. *There's a Finnell Floor Specialist nearby to help you choose the waxes and cleansers that are exactly right for your needs.* *Finnell makes a complete line, so you can depend on unbiased advice. In fact, Finnell makes everything for floor care!* For consultation, demonstration, or literature, phone or write nearest *Finnell Branch* or *Finnell System, Inc., 3105 East Street, Elkhart, Indiana.* Branch Offices in all principal cities of the United States and Canada.



- A mild liquid wax-soap for machine-scrubbing or damp-mopping waxed floors
- Leaves a lustrous anti-skid protective finish
- Highly concentrated . . . economical to use

FINNELL SYSTEM, INC.

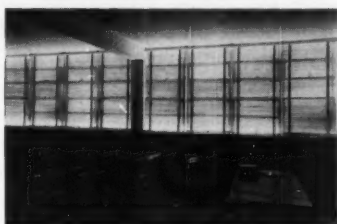
Originators of Power Scrubbing and Polishing Machines



BRANCHES
IN ALL
PRINCIPAL
CITIES

New Product / Reviews

Venetian Blind SE-601 For Audio-Visual Use



The Flexalum Audio-Visual Blind makes it possible to convert any conventional classroom for audio-visual instruction with the flick of a wrist. A special light trap at the top and aluminum channels at sides and bottom prevent the light leakage characteristic of ordinary Venetian blinds. Tapes, cords, and the spring-tempered aluminum slats have been carefully designed to enable the blind to close completely, the slats locking against each other tightly.

The effect is to reduce outside illumination in a modern classroom with multiple large windows to 1/10 foot-candle at the projection screen. This meter reading is considered optimum for film or slide use.

HUNTER DOUGLAS CORP., 416 E. 50 St., New York 2, N. Y.

Central Control System SE-602 For Up to 40 Groups of Remote Operations

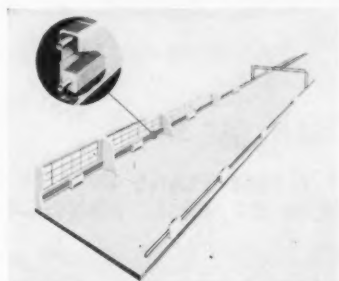
A new electronic supervisor that follows preset programs and automatically switches on or off up to 40 groups of remote operations, each on its own time schedule, has been developed by IBM. The new Central Control System will switch lights on or off, start and stop motors, open

and close valves, control air conditioning and perform scores of similar operations. It uses carrier current signals and operates over existing electrical circuits. Not a single transmission wire needs to be installed.

An important feature is the central operations panel. A school building superintendent can check on his many remote electrically controlled services by merely glancing at the indicator lights on the panel. The result is savings in fuel, water, electrical power, and other resources.

INTERNATIONAL BUSINESS MACHINES CORP., 590 Madison Ave., New York 22, N. Y.

Series Hot Water System SE-603 Cuts Installation Costs



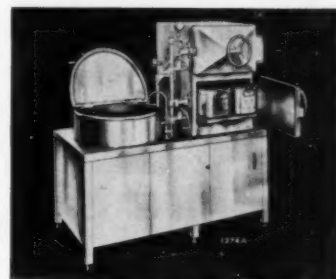
Nesbitt's latest contribution to schoolhouse heating and ventilating economy is the Series Hot Water Wind-o-line System, which provides improved individual room control of heating and ventilating; offers all-weather protection against cold window downdraft; and saves on installation costs.

The Wind-o-line is the only supply and return piping required, eliminating pipe trenches running around the perimeter of the building. In addition,

you save the cost of these mains. Pipe-covering costs are cut by one-third to one-half since Wind-o-line piping needs no insulation. Since the Series Wind-o-line System circulates 50% less water than most systems, you use smaller pipes and pumps. The system comes already fabricated, with fittings pre-assembled, so that hookup is amazingly fast.

JOHN J. NESBITT, INC., Philadelphia 36, Pa.

Steam Cooker SE-604 In Combination with Kettle



Market Forge has designed a new combination unit consisting of a two-compartment direct connected Steam Cooker and a 40-gallon direct connected Steam Jacketed Kettle. The actual steam is furnished by a 2.8 HP boiler (gas) or 24 KW boiler (electric), complete with controls.

These steam cookers provide capacity for steam pressure cooking all types of vegetables, meats, fowl and seafoods, as well as kettle capacity for all kinds of soups, casseroles, sauces and gravies.

MARKET FORGE Co., Dept. FSD, Everett 49, Mass.

(Continued on page 172)

SE-605
Temperature Control System

Designed for Mild Climate Areas

Amervent, a cooling, heating and ventilating unit for mild climates, has a number of economy features. A building utilizing these units requires no vent flues, corridor venting or exhaust fans. Most of the windows can be permanent straight glass windows, eliminating the extra costs connected with hardware and frames for window "openers."

The thermostat is located inside the

unit. As a result, there is no additional wiring, piping or labor for across-the-room thermostat placement.

In operation, the unit heats only when heat is needed to bring the classroom to perfect comfort level.

HERMAN NELSON, AMERICAN AIR FILTER CO., INC., Louisville, Ky.

Vacuum Cleaner SE-606

Has Unusual Pickup Power

Multi-Clean's new G-400 Industrial Vacuum Cleaner is equipped with a powerful 1 hp 115V AC-DC by-pass



SMOOTH, SANITARY
TOPS of Masonite
Presdwood, Linoleum,
Fir or Birch Plywood,
Formica and Resilyte

No other tables have as
many "Extra Features" as

Mitchell
FOLD-O-LEG
tables

- ★ GREATER SEATING CAPACITY
- ★ MORE LEG COMFORT
- ★ UNEQUALED APPEARANCE,
DURABILITY, STRENGTH
- ★ FINEST CONSTRUCTION,
MATERIALS, FINISHES
- ★ BUILT FOR LONG SERVICE

The Strongest,
Handiest Folding
Table Made!

TUBULAR STEEL FOLDING LEGS FOLD UNDER FOR STORAGE

QUICK, EASY SET-UP ★ FOR CHANGING ROOM USES



1, 2, 3, 4 LEVEL BANDSTANDS

"U" shaped set-up for BANDS and ORCHESTRAS allow unobstructed vision of musicians, director and audience. Improve appearance, discipline and director control. Same units set-up in a straight line can be used as stepped-up audience seating risers.



1-LEVEL PLATFORMS, STAGES

For speakers, raised speakers tables, ceremonies, acts, style shows. Quick set-up or removal. Used in Schools, Colleges, Churches, Hotels, Clubs, Lodges. Each unit only 2 1/2" thick when folded. Store in small space.

USE THE SAME UNITS FOR
MANY DIFFERENT ARRANGEMENTS

ANY SIZE STAGE IN ANY
ROOM OR HALL, ANYTIME



Mitchell PORTABLE
FOLDING STANDS

- ★ Each unit a SAFE stand in itself
- ★ 4'x8'x3/4" Tops, 8" 16" 24" 32" heights
- ★ Strong, rigid TUBULAR STEEL LEGS

Write for Descriptive Folder

MITCHELL MFG. CO.

2726 S. 34th St. • Milwaukee 46, Wis.

MFRS. of MITCHELL FOLD-O-LEG TABLES, BAND AND CHORAL STANDS, SEATING RISERS

motor and 2-stage turbine that creates a suction equal to 63" water lift with closed orifice.

Other features include: a sturdy 20-gauge all-welded steel tank that holds 10 gallons of wet or 1 1/2 bushels of dry pickup material; 16-gauge 3-conductor safety cable with built-in strain reliever, and easy on-off tank cover clamps that preserve airtight seal yet unsnap with a flick of the fingers.

The unit rolls freely on 4 ball bearing casters. With an overall height of 30", the G-400 weighs only 53 lbs.

MULTI-CLEAN PRODUCTS, INC.,
2277 Ford Parkway, St. Paul 1, Minn.

Garden-Tiller SE-607

Attaches to Tractor

The Jari Rotary Garden-Tiller is a new attachment for the Jari Jr. or Champion model tractor. It will prepare a seed bed 5" deep. Its self-sharpening, replaceable tines scour both sides like a well-designed mold-board plow—their slow speed and spacing prevent excessive pulverization. During tilling, the forward motion is disengaged and the tines pull the machine forward.

Cultivation is accomplished without changing the tines. In "low gear" the machine will propel itself between rows. With the tines in front, cultivation is simple. The Jari Tiller is easily and surely guided close to plants without damaging them. The result is a perfect mulch and almost 100% destruction of weeds.

JARI PRODUCTS, INC., Minneapolis 8, Minn.

*To know your needs—
and then plan your action*

Careful appraisals can show the need for a program of continued institutional operation, but the road ahead must be cleared. Community acceptance must be gained and proper public relations must be established.

The AMERICAN CITY BUREAU,
with more than forty-two years experience
in the field of fund-raising and public relations
can serve to pave the way to a successful operation.

An invitation to us to confer with you with no obligation
will receive immediate and courteous action.



THERE IS NO SUBSTITUTE FOR EXPERIENCE.

*Charter Member
American Association
of Fund-Raising
Counsel*

American City Bureau
(ESTABLISHED 1913)

221 North LaSalle Street
Chicago 1, Illinois

470 Fourth Avenue
New York 16, New York

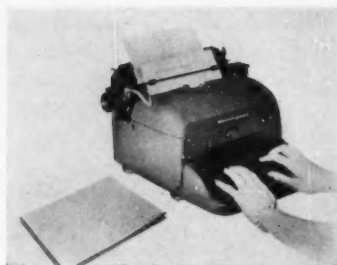
Typewriter

SE-608

Is Noiseless

Exclusive Pressure Printing is a feature of the new Noiseless Typewriter just announced by Remington Rand Inc. A slight tap activates a precisely calculated weight which completes the pressing of the type onto paper leaving a uniform impression.

Finger-fit keys, cushioned to eliminate impact, the Perfect Positioning Scale for instant setting of identical



margins, and a simplified Typebar are all included in the 1955 Remington Noiseless.

Maintenance and operation are also easier. A snap on and off cover saves time during cleaning and servicing of the machine. A removable platen simplifies necessary changes for stenciling or printing cards.

REMINGTON RAND INC., 315 Fourth Ave., New York 10, N. Y.

Rubber Stair Tread SE-609

Designed for Quick, Easy Cleaning

The Kleen Sweep Cushion Treads are made with a curved-nose and are available in 18 to 25 inch widths. They feature a plain broad rib design and are engineered for quick and easy cleaning.

ACE RUBBER PRODUCTS, INC., Akron, Ohio.

Water Repellent SE-610

Retards Exterior Weathering

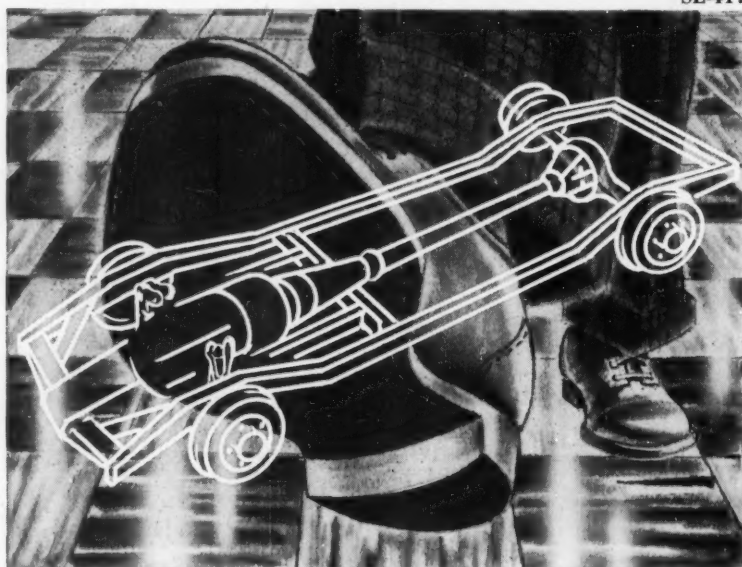


Silicone Masonry Water Repellent eliminates seepage of water through the walls of a building for years. It will drastically retard weathering and will help keep buildings clean. It stops efflorescence, and rain and dirt will run off the surface completely.

A thorough silicone treatment is effective on all masonry construction materials used above ground, including: brick, mortar, concrete, sandstone, cinder, and pumice block. The more porous building materials will require more silicone.

A flooding coat applied from a coarse nozzle spray gun held close to the masonry is most effective for extensive treatments but a soft paint brush can also be used.

LINDE AIR PRODUCTS CO., 30 E. 42 St., New York, N. Y.



SE-417

VES-COTE

FLOOR WAX

Puts 4 wheel Braking Power on your floors

Your floors will give sure and effective braking action with each step when they're finished with VES-COTE—because VES-COTE contains the proven anti-slip agent, DuPont's "Ludox" colloidal silica.

With VES-COTE there is safety in the shine. VES-COTE is lustrous, long wearing, water resistant, easy to apply and dries quickly.



INCORPORATED

4963 MANCHESTER AVE.
ST. LOUIS 10, MISSOURI



Approved by the
Underwriters Laboratories.

*Trademark of E. I. Du Pont de Nemours & Co., Inc.

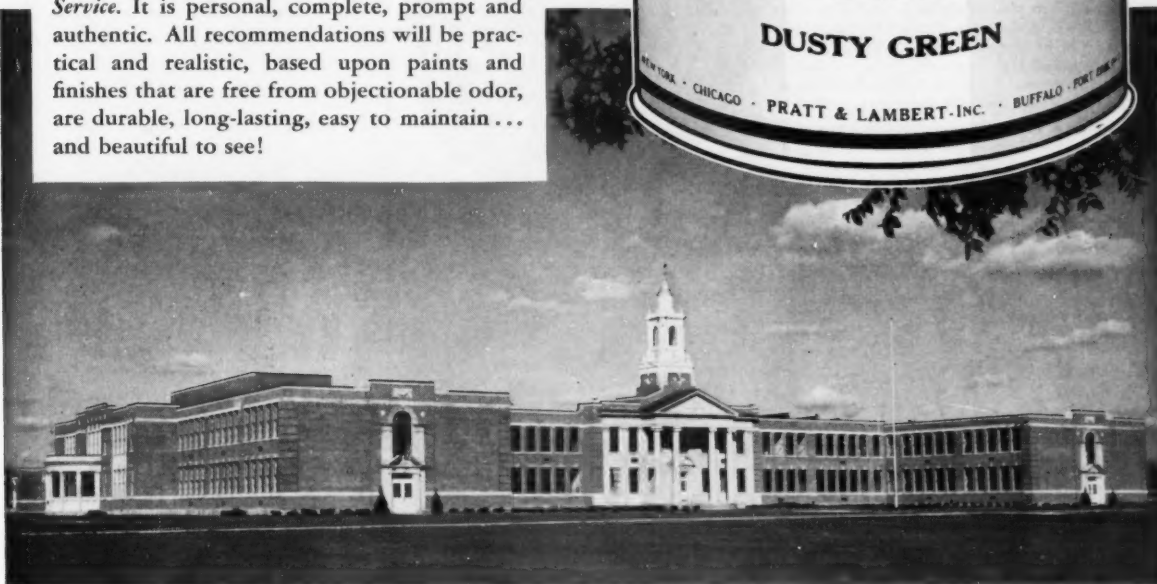
Make and Keep Yours the Best Looking School in Town!

BEAUTIFUL COLORS harmoniously employed, add warmth, friendliness and distinction to the atmosphere of modern schools... a welcome improvement, advantageous to students and appreciated by teachers, administrators and members of the community.

THE SECRET lies in selecting colors that are developed for eye appeal, favorable psychological responses and consonance with surroundings.

COLOR STYLING schools and colleges, old and new, is an art and science worth investigating. Reliable counsel and competent assistance is yours for the asking.

REQUEST the Pratt & Lambert Representative who calls upon you for *Color Styling Service*. It is personal, complete, prompt and authentic. All recommendations will be practical and realistic, based upon paints and finishes that are free from objectionable odor, are durable, long-lasting, easy to maintain... and beautiful to see!



This magnificent new High School, Williamsville, N. Y., was color styled and finished throughout with Pratt & Lambert products.

FOR FREE COLOR CHARTS and stimulating ideas, write to the Pratt & Lambert Trade Service Department nearest to you: 3301 38th Avenue, Long Island City 1, N. Y. — 75 Tonawanda Street, Buffalo 7, N. Y. — 326 West 26th Street, Chicago 16, Ill. — 254 Courtwright Street, Fort Erie, Ontario.



PRATT & LAMBERT-INC.

A Dependable Name in Paint since 1849

NEW YORK • BUFFALO • CHICAGO • FORT ERIE, ONTARIO

Floor Patching Material

SE-611

Is Corrosion Resistant

Vyniflex is a new floor patching and resurfacing material that will adhere perfectly to any clean surface, assuring feather-edge patching.

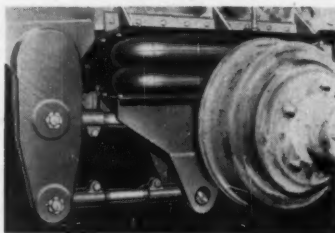
Designed for floors subject to acids, alkalis, oils, fats, grease, water, slip-hazards, etc., this material will take any traffic that the sub-floor can. It is shock-proof, non-inflammable and quiet.

FLEXROCK CO., 3633 Filbert St., Philadelphia 1, Pa.

Spring Suspension

SE-612

For New, Used Buses



A new air-ride spring suspension is available for installation on both new and used buses. The design consists of two General Tire air pillows

per axle that operate off the vehicle's air brake system and are controlled by automatic height control valves. The pillows are seated on an axle saddle on each side of the suspension to distribute the shock load over the entire surface. The air pressure inside the pillows automatically becomes higher as the load increases and also adjusts itself if the load is unevenly balanced.

SPENCER-SAFFORD LOADCRAFT, INC., Augusta, Kan.

PLAY SAFE WITH

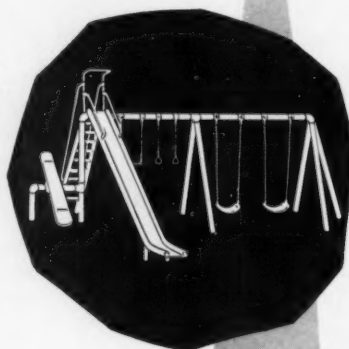
SE-419



PLAYGROUND EQUIPMENT

Now children play safely on durable Recreation Swing Sets, designed to meet your playground needs. These rugged Swing Sets feature 2" top rails and 1½" pipe uprights with oilless swing bearings. A short span frame is designed to assure adequate swing separation.

Here's a welcome, low-cost addition to any playground—Recreation's Outdoor Fan-shaped Metal Basketball Outfit with 4' extension. The metal bankboard and extension are supported by two heavy 3" hot galvanized steel pipes, connected by a 2" steel pipe frame.



Take it from Rufus, the Guardian Angel, Recreation's new rubber Swing Belts eliminate swing injuries and dangerous falls.

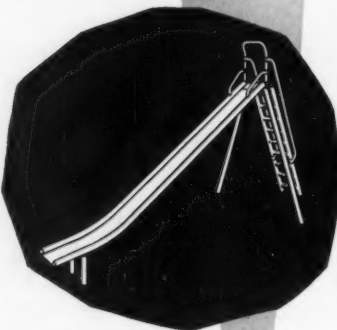
The durable construction of Recreation's All-Metal Land Slide with its sturdy structural steel supports and ladders, high guard rails, and heavy-duty chutes insures years of safe, trouble-free service.

Contact Recreation's Engineering Staff and plan a safe, yet low-cost playground installation!

WRITE TODAY FOR YOUR RECREATION CATALOG

- Playground Equipment • Swimming Equipment
- Basketball Equipment

RECREATION EQUIPMENT CORP. • DEPT. SE-55
724 WEST EIGHTH STREET, ANDERSON, INDIANA



Water Coolers

SE-613

Have Triple-Effect Cooling Systems



Cordley & Hayes announce that most of its 1955 electric water coolers are being made with triple-effect cooling systems—increasing the capacity of individual models up to 30%.

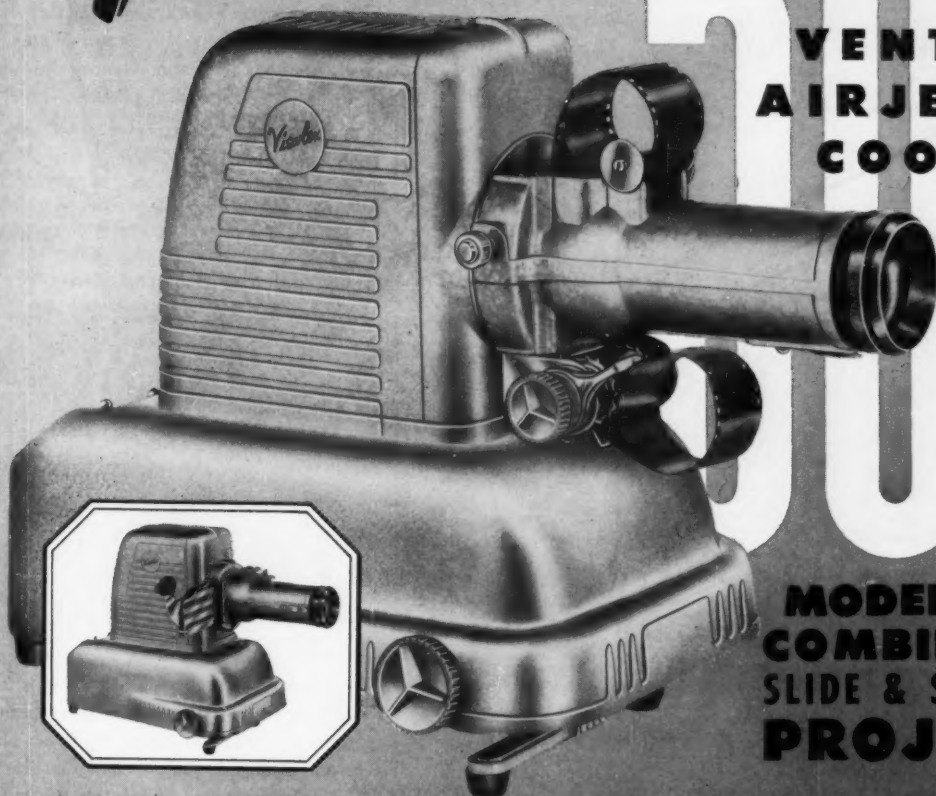
Two other major improvements have been made in the line. They are dual hand and foot controls, and thermostatic protection for the storage system as well as thermostatic control of drinking water temperature.

Seven new models will be available this year—five air cooled and two water cooled. Capacities range from 5 to 27 gallons per hour.

CORDLEY & HAYES, New York, N. Y.

Viewlex

VENTURI AIRJECTOR COOLED



MODEL V-25C COMBINATION SLIDE & STRIP FILM PROJECTOR

COOL — Venturi and Airjector cooling is the new revolutionary cooling system designed by Viewlex to make this the world's coolest projector. A stream of cool air is forced through the Airjector, which guides the flow to specific hot spots within the projector body. The Venturi chimney breaks up the barrier of insulated air which adheres to hot surfaces and bathes the lamp with a constant changing flow of cool air.

BRILLIANT — Specifically designed and engineered for 500 watt operation, yet delivers far greater screen illumination than most 750 watt projectors can produce. The exclusive LIGHT-MULTIPLIER optical system plus automatic condenser alignment for perfect focus every time — proves Viewlex's right to projector leadership. Each condenser is coded and individually mounted for ease in cleaning — just another indication of the quality that is built right into Viewlex projectors.

One projector handles both single and double frame film strips, vertical and horizontal 2 x 2 and bantam slides.

Professional quality 3", 7", 9" and 11" projector lenses available.

It cannot tear or scratch your films.

Viewlex
INC.

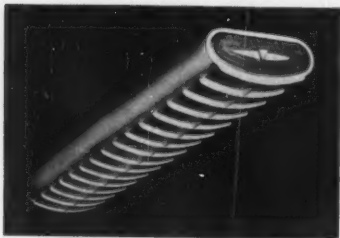
35-01 QUEENS BOULEVARD,
LONG ISLAND CITY 1, N. Y.



Luminaires

SE-614

Can Be Joined Continuously



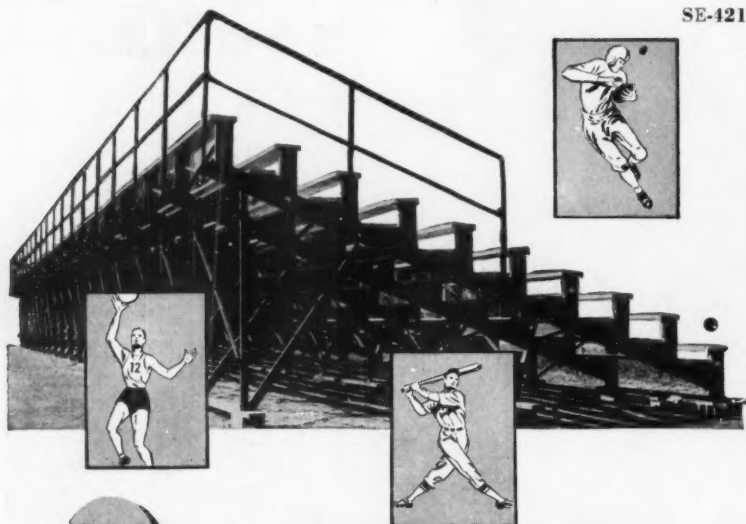
The Apollo Catalina has been designed and engineered specifically to meet the exacting requirements for lighting classrooms. When mounted

in continuous rows, these fixtures have the appearance of being a single sweep of light.

The baffle type louvre and plastic side panels provide soft diffusion and low brightness. The housing is of heavy gauge steel. The reflector and louvre are a single rigid unit securely held in place by a new flat steel spring and bullets for easy installing and removing louvre, released by a slight pressure.

Adaptable for surface, pendant, individual for continuous mounting.

APOLLO LIGHTING FIXTURE CO., INC., 214 W. Third St., Mt. Vernon, N. Y.



SE-421

3 SICO BLEACHER INSTALLATIONS

All at the price of one!

You buy a single Sico bleacher installation and use it indoors for basketball and outdoors for baseball, football and other spectator events.

Sico portable steel bleachers save money because they're easily and quickly set up and dismantled; the heaviest part weighs only 90 pounds. Sico's Speedlock contributes to Sico's portability.

Safety of Sico Portable Bleachers has been proven in structural loading and wind tests; approvals have been granted Sico bleachers by commercial testing laboratories and other state sponsored safety bureaus. Steel used in Sico bleachers is factory tested and inspected before use. Seat and footboards are 2" thick and 10" wide.

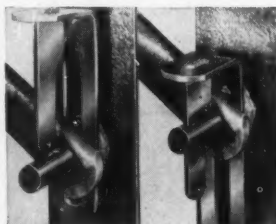
SICO SPEEDLOCK

Sico's exclusive patented Speedlock hastens assembly and disassembly time by eliminating time-wasting nuts and bolts that often jam or rust. Simple, safe Speedlock drops into place to provide a positive locking device that's rust-proof and practically indestructible.

For specifications and complete details write



SICO
GRANDSTANDS,
INC.



3569 WOODDALE AVENUE,
MINNEAPOLIS 16, MINNESOTA

Asphalt Tile

SE-615

In Planks for Random Effect

Modnar comes in tile planks 4" wide by 24" long (in 1/8" and 3/16" thicknesses). Cutting a few planks to different lengths, particularly at the start of the floor, will create an attractive random pattern throughout the room. Not only do these big tiles go down fast, but one can start anywhere in the room, saving the time usually required to accurately measure and estimate.

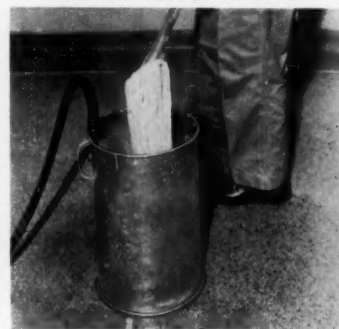
Woodtone colors are available in Driftwood, Oak, Maple and Walnut. Both the color and veining go all the way through each plank.

TILE-TEX Div., 1232 McKinley Ave., Chicago Heights, Ill.

Mop Washer

SE-616

Dirt Is Sprayed Away



The Jet Stream Mop Washer is a low-cost, simple and effective way to quickly and easily clean a dirty floor mop. It accommodates mops of all sizes and fabrics as well as dust mops and mitts, chamois, cleaning rags, etc.

The Jet Stream is basically a steel cylinder open at both ends. Inside are six directly opposed full-flare spray jets that force water through the mop strands to flush away dirt, caustics and other foreign matter. As the jets thoroughly clean the mop, water and dirt drain through the bottom.

The unit can be used wherever there is a water outlet with a threaded hose connection. It fits in utility sinks, over floor drains, or in mop wagons.

GEERPRES WRINGER, INC., Muskegon, Mich.

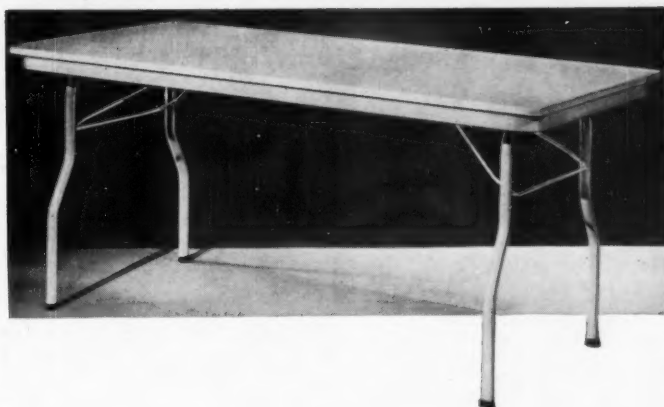
THE NATIONAL SCHOOL LINE OF

CAFETERIA FURNITURE

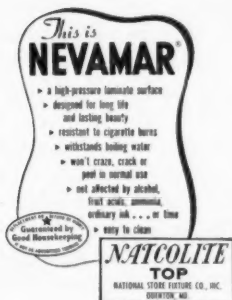
National cafeteria furniture meets every requirement for style, comfort and rugged durability. It is the result of more than a quarter of a century devoted to the development of institutional furniture—designed for maximum service and minimum maintenance costs.

No. S-326 TABLE—

An exceptionally sturdy, well built table suitable for cafeteria, library, laboratory or all-purpose use. It has a NATCOLITE top, surfaced with NEVAMAR laminates and sealed with the shock-proof Wynene edge. This top is stainproof and alcohol-proof, resists acids and alkalis, withstands boiling water and resists chipping or denting. Easy to keep clean . . . and never needs refinishing.



Write for the complete new catalog of the National line of Multi-Purpose School Furniture



No. S-330 FOLDING TABLE—

Built for maximum strength and rigidity, ease of handling, convenient stacking and comfortable seating. Easily set up or taken down by one person. Automatic positive locking on all legs.

No. S-640 CHAIR—

A sturdy chair of seasoned hardwood, upholstered in attractive wear-resisting Duran in choice of 15 colors. Body finished in walnut or harvest wheat.



NATIONAL SCHOOL FURNITURE COMPANY

Div. of National Store Fixture Co., Inc.

ODENTON, MARYLAND

Piano Carriers

SE-617

Are Made of Steel

Moving pianos in school gymnasiums, on stages, etc., can be accomplished easily with the new Piano Carriers introduced by the Paul O. Young Co. Made of steel, the carriers are furnished with 5" diameter Darnell ball-bearing casters, with cushion rubber treads of DuPont neoprene that will not mark or damage floors.

Two of the models are the upright and spinet and the grand piano carrier which has steel telescoping legs,

adjustable for length, and a steel center plate that permits angular adjustment. Pianos rest securely on the carriers, and may thus be supported permanently, if desired.

THE PAUL O. YOUNG CO., School Truck Div., Line Lexington, Pa.

SE-618

Desk-Top Microfilmer

Three Reduction Ratios Possible

Greater economy is attributed to the new 16mm desk-top microfilmer through a choice of three reduction



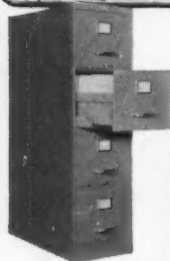
ratios. Lenses can be simply interchanged to provide 40 to 1, 32 to 1, and 24 to 1 reductions.

Three methods of microfilming may be used to further assure greatest film economy. With the Duplex Method, the fronts and backs of documents are photographed simultaneously side by side on the film. With the Duo Method, the fronts of documents are photographed across the full film width, then up the other half. With the Standard Method, the fronts of documents are photographed across the full film width. Up to 29,000 smaller items, such as reference cards and bank checks, can be recorded on a 100-ft. roll of 16mm film.

An automatic feeder offers speeds of over 400 items a minute.

EASTMAN KODAK CO., Rochester 4, N. Y.

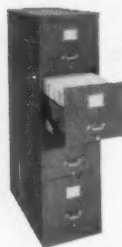
SE-423



GRADE "A" FILES

The standard of quality in fine files! Crafted in styles to meet virtually every filing need in modern education.

WHATEVER your school filing need, there's a *Steel Age* file to do the job most efficiently and economically. For *Steel Age* produces one of the nation's most complete families of quality-built letter, legal, card index and specialty files. Specify *Steel Age* and you can select the file that best meets your school's specific budget and filing requirements. For more information, call your *Steel Age* Dealer today.



COMMERCIAL GRADE FILES

One of America's most popular files. Features full-progressive ball bearing suspensions and traditional *Steel Age* quality throughout.



REMOVABLE TRAY FILES

A *Steel Age*-pioneered development! Allows removal of trays of index cards (5x3, 6 x 4, or 8 x 5), checks, tabulating cards, etc. to work areas.

Send for FREE Descriptive Folders on STEEL AGE Files

Steel Age

CORRY-JAMESTOWN MFG. CORP., CORRY, PA.

Branch Offices:

Atlanta • Boston • Chicago • Dallas • Detroit • New York • Oakland • Philadelphia • Seattle

Ceramic Patterns

SE-619

Add Interest to Large Areas

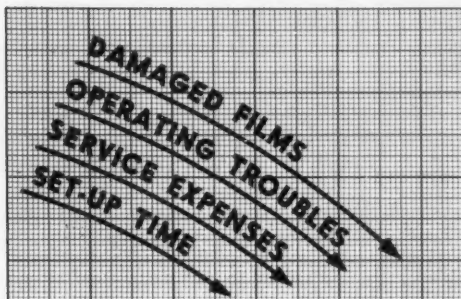
Pan-O-Ramic patterns represent a new concept in the adaptation and use of ceramics, offering new freedom in design in keeping with the latest architectural trends. Although developed especially to add interest and individuality to large areas, they are also suitable for use in moderate size rooms.

The patterns are composed of various size tiles and are available in a number of different color combinations to suit the color treatment desired. Thirty-one different porcelain type colors and fourteen natural clay type colors can be used.

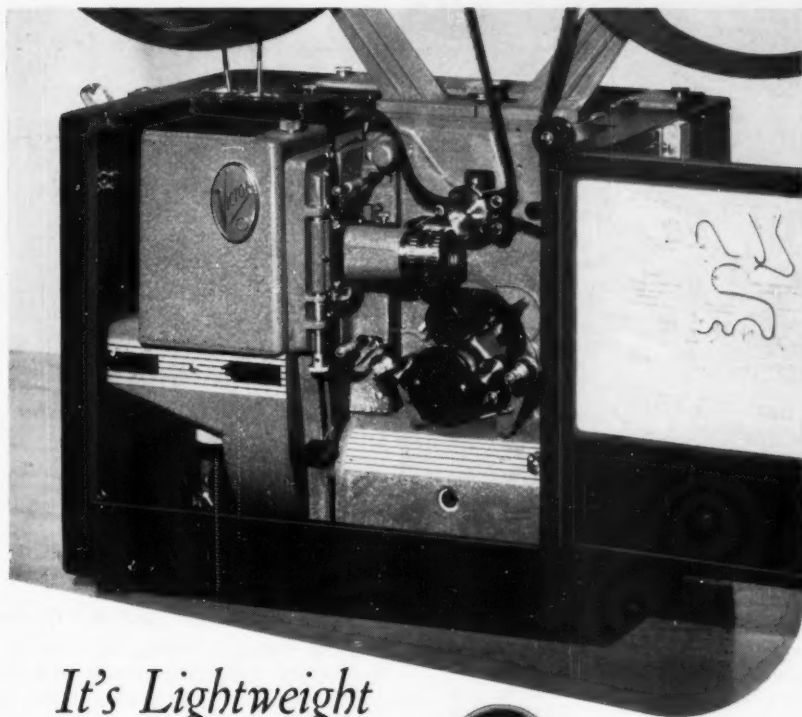
All of the patterns are factory assembled on standard size sheets assuring easy installation by the tile contractor.

AMERICAN-OLEAN TILE CO., Lansdale, Pa.

AUDIO-VISUAL COSTS GO DOWN when the NEW VICTOR COMES IN



Your budget goes further with Victor 16mm Sound Projectors. For even inexperienced operators can't damage films on a Victor. Safety Film Trips stop the projector *before* harm is done to your film. And Victor's all-around smooth operation eliminates troubles, reduces servicing and increases usage. Check these Victor features: LUBRICATING OIL SYSTEM • AIR-CONDITIONED LAMP ENCLOSURE • HI-LITE OPTICAL SYSTEM • SAPPHIRE-TIPPED PAWLS • AIR-CONDITIONED FILM GATE • FLAT FIELD LENS • COMPENSATING FILM SHOES • STATIONARY SOUND DRUM • 180° SWING-OUT LENS



It's Lightweight

and it's available in 3 models — one for every audience and budget.

- 1 CLASSMATE 4
for small audiences.
- 2 ASSEMBLY 10
for medium-sized audiences.
- 3 SOVEREIGN 25
for large audiences.



SEND FOR FREE FOLDER TODAY

VICTOR *Animatograph Corporation*

Dept. E-55, Davenport, Iowa, U. S. A.
New York — Chicago

Superb Sound and Picture Quality — Always

QUALITY MOTION PICTURE EQUIPMENT SINCE 1910

The NEW VICTOR is easy as 1-2-3 to operate

- 1 Easy 3-spot threading . . . over sound drum, through film gate, on to single drive sprocket.
- 2 Easiest to operate (with finger-tip control panel, softly illuminated). Start motor, turn on lamp, adjust sound volume.
- 3 Easiest on your films — 3-spot safety film trips protect films by stopping projector immediately in case of emergency.

Incinerator

SE-620

Burns Refuse Safely

The new Alsto Model CP features a 12 bushel capacity and is complete with heavy duty grate and ash pan base. Improved draft control permits faster burning of damp, green or dry refuse and eliminates the fire hazards of burning, blowing scraps, and minimizes smoke and smell.

Made under a new process of bonding molten aluminum to steel, these new burners give long rust-resistant performance under all cli-



matic conditions. The unit stands approximately 5' high and measures 36" square at the base and lifts on and off the 10" high ash pan.

ALSTO Co., 4007 Detroit Ave., Cleveland 13, Ohio.

Chalkboard Cleaner, SE-621 Conditioner

Is Antiseptic

K2 Kleer-Kleen is a liquid cleaner and conditioner for chalkboards which leaves the boards perfectly clear of all vestiges of chalk with a single application.

K2 is sanitary, clean and non-toxic. It is slightly antiseptic and will therefore remove lesser bacteria. It is available in pint and quart size cans.

NEW YORK SILICATE BOOK SLATE Co., INC., 541 Lexington Ave., New York 22, N. Y.

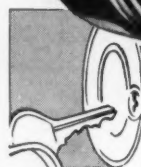
SE-123



Master COMBINATION PADLOCKS

- DURABLE
- LOW COST
- STAINLESS STEEL CASE CONSTRUCTION

Master Combination Padlocks give you 2-way budget relief — low initial cost and long-lasting, trouble-free service! Double wall construction . . . hardened steel locking latch . . . automatic re-locking mechanism . . . and other security features. One school-owned control key opens all locks.



MASTER NO. 1525
KEY CONTROLLED
TWO YEAR
GUARANTEE

Builders of the World Famous
Master Laminated Padlocks



MASTER NO. 1500
Same design and construction as No. 1525 . . . but without key control. Full two-year guarantee.

Master Padlocks
NO. 1 IN AMERICA'S SCHOOLS

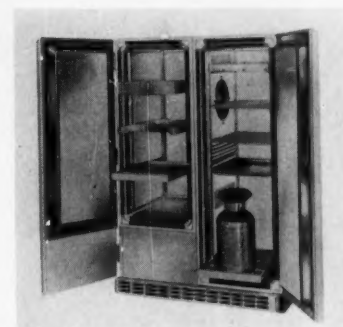
Master Lock Company,
Milwaukee 45, Wis.

World's Largest Padlock Manufacturers

Refrigerator

SE-622

Features Interchangeable Interiors



The Vimco Model RS-40-S Reach-in Refrigerator features interchangeable interiors that are adjustable on 1" centers to take any combination of bakers pan slides, stationary or pull-out meat rails, stationary or pull-out shelves and refrigerated drawers. Interior accessories can be changed in minutes.

Other features include: 100% all metal construction, automatic self-defrosting, automatic interior lighting, built-in cylinder locks and heavy die-cast handles on all doors. Capacity is 40 cubic feet.

VICTORY METAL MFG. CORP., Plymouth Meeting, Pa.

You wouldn't specify plumbing like this
or furniture like this.



On your next school job...

...instead of old-fashioned bleachers like this



The modern Space-saving — Work-saving answer to economical spectator seating

● **REQUIRES MINIMUM SPACE**

When not in use, Amweld Easi-Fold Bleachers fold flat against the wall. Occupy less floor space than any other bleacher.

● **SAFE—CANNOT COLLAPSE IN USE**

In use, live load is transferred to floor. Special braces lock supports in place — eliminate any possibility of accidental collapse.

● **ONE MAN CAN OPERATE**

Amweld Easi-Fold Bleachers roll out smoothly — are perfectly balanced for easy opening and closing.

● **EASIER SWEEPING**

No complicated maze of supporting members. Open space underneath seats provides place to hang coats and hats during game and make "after game" cleaning easy.

● **ONLY 25 MOVING PARTS**

With only 25 moving parts, there are fewer

things to wear out with Amweld Easi-Fold Bleachers — maintenance and repair costs are greatly reduced.

Send for free Information

Amweld Easi-Fold Bleachers are ideal for all indoor spectator sports seating. Write for complete details today — or look for our catalog in Sweets Architectural File No. 22.



Institutional Products Division
THE

**AMERICAN
WELDING**

AND MANUFACTURING CO.

535 Dietz Road

• Warren, Ohio



ADD YEARS OF LIFE TO
YOUR FLOORS, YET ...
SUBTRACT MAINTENANCE COST

*Deluxe Model 24 Shows

ADVANCE SPEEDBOY Floor Maintenance Machine
*Gives you complete floor maintenance—Scrubbing, Waxing,
Polishing, Steel Wooling, Shampooing.*

One man with a Speedboy can maintain a larger floor area better than can several men with old fashioned hand methods or outmoded equipment.

These Features Explain Speedboy Popularity with Maintenance Engineers

- Silent-Flo drive—revolutionary method of power transmission; grease free and silent.
- Perfect balance assures effortless, self-propelling operation.
- Low Overhead—only four inches over brush.
- Automatic raising and lowering of wheels—fully adjustable handle—dual control safety switch.



ADVANCE
"Speedboy"

ADVANCE Floor
Maintenance Machines—
built to serve you
long and well.

WRITE today for detailed information

NAME _____
ADDRESS _____
CITY _____ STATE _____ ZONE _____

ADVANCE FLOOR MACHINE CO.
2608 Fourth Street S.E., Minneapolis 14, Minnesota

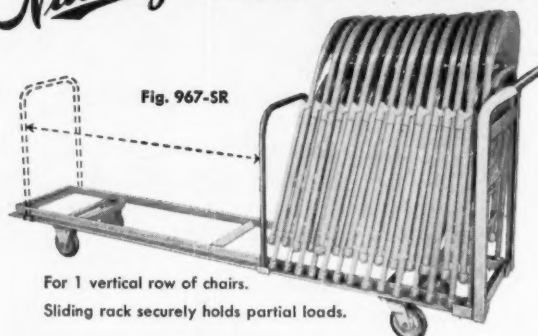
"Manufacturers of a complete line of outstanding floor
and rug maintenance machines for more than 25 years."

**solve difficult
and unusual
staging problems
with versatile
ValLEN curtain tracks**

To get maximum stage flexibility and unfailing curtain operation, install rugged and safe VALLEN tracks. There is a type to meet your every staging requirement—complex or simple. If you are planning or reappointing a stage, consult ...

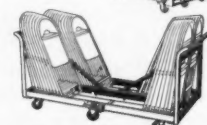
ValLEN inc.
akron 4, ohio

Nutting CHAIR TRUCKS



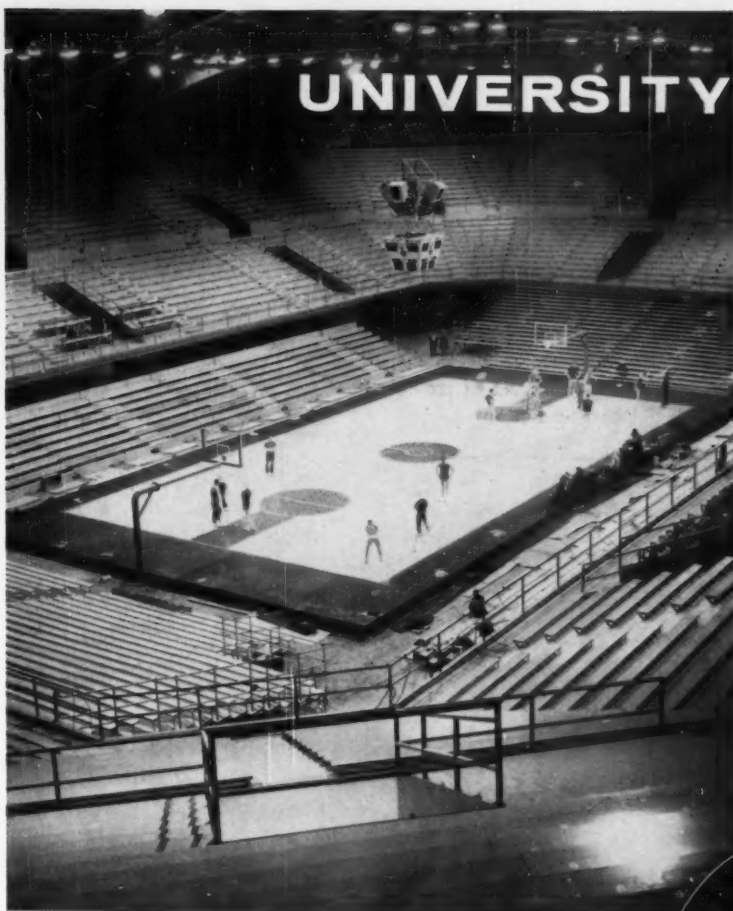
Built to outlast the chairs!

Here's your topnotch chair truck value. Nutting's high grade materials and fine workmanship give you year in, year out economy. Ample size steel frames and ball bearing rubber tired wheels of adequate diameter insure longer life and easiest operation under heavy loads. Finished in attractive metallic grey.



Write for Chair Truck Literature
and Bulletin 53-SC, which shows
food service, classroom main-
tenance trucks and others.

Since 1891 **NUTTING TRUCK & CASTER CO.**
2606 East Division St. • Faribault, Minn.



UNIVERSITY of KANSAS

selects

BERLIN

**EZ-A-WAY
and**

Allsteel **Portable**

Bleachers

... for one of the country's
**Largest and MOST
MODERN
Field Houses!**

**Seats
over
17,000
People**



Where every seat is a good seat . . . designed with but one thought—to create the ideal Field House for multi-purpose use, primarily for "big time" basketball . . . the seating arrangement is of major importance.

Congratulations to University of Kansas on this new, modern structure . . . it is a testimonial to the great state of Kansas.

BERLIN BLEACHERS—EZ-A-WAY Mechanical Folding Bleachers and ALL-STEEL Portable Bleachers—were selected after careful investigation and planning by both school officials and the Kansas State Department of Architectural Engineering, as the bleachers that blended into the design and met the seating requirements of this beautiful and modern structure. Naturally, we are proud that **BERLIN BLEACHERS** were selected by these officials.

BERLIN ALL-STEEL Portable Bleachers met all requirements, because of unmatched flexibility, safety and general neat appearance . . . note how beautifully they blend into the general seating arrangement of this modern structure.

BERLIN EZ-A-WAY Mechanical Folding Bleachers, on either side of the playing court, are so designed to fold into compact units, and when not in use are pushed back to the walls in storage position beneath the cantilevered permanent seating above them . . . easy moveability of these folding bleachers is an outstanding engineering accomplishment.

**BERLIN
SEATING
ENGINEERS**



WRITE—for engineering details . . . complete information will be furnished upon request. Architects are invited to seek our advice on any seating problems.

BERLIN WISCONSIN

Tubular Steel Bleacher

Assembled Without Nuts, Bolts

A new Tubular Steel Bleacher, Model 2600, features extreme portability as the tubular design eliminates excess weight. The stands are built with welded frames that are interlocked by built-in coupling pins.

Fast erection and disassembly is possible because of Sico's Speedlock which ties frames and sway braces into an integral unit. The Speedlock eliminates nuts and bolts and provides an instant, safe locking of

all supports. Seat boards and foot boards are securely fastened without bolting.

SICO GRANDSTANDS, INC., 3565 Wooddale Ave., Minneapolis 16, Minn.

Paper Collator

Collates 10,000 Sheets Hourly

The Cummington Collator automatically gathers up to eight sheets in sets. All the operator has to do is place the paper in a set of trays, and push the starting button—papers



are gathered in sets at a rate of 10,000 sheets per hour and are delivered in alternately offset piles.

Model 85 offers an unusual advantage in its ability to handle the lightest manifold paper, and even one-time carbon paper—intermixed with heavy ledger, without complicated feed mechanisms. Any size sheet, from 5" x 7" to 11" x 14" can be handled.

CUMMINGTON CORP., 620 Commonwealth Ave., Boston 15, Mass.

Aluminum Table

Designed for Children 3-7



P. B. M. Mfg. Co. announces a new 22" high model of its Aluma-fold folding aluminum table designed especially for use by children from 3 to 7 years of age.

The Knee-Hi has a durable, scratch-resistant aluminum top suitable as a playsurface, work table and feeding table. The table folds easily for storage and can be set up or taken down in less than a minute.

Two sizes are available—24" x 60" when opened, and 30" x 60".

P. B. R. Mfg. Co., H & Luzerne Sts., Philadelphia 24, Pa.

SE-431

**THE NEW
LOW-COST WARDROBE**
Practical, Easy-to-Install

A perfect combination of good looks and practicality . . . this compact, convenient, easy-to-install coat and hat rack is the favorite of school executives everywhere. Finely engineered in non-peeling aluminite finish . . . it is space-saving, long-lasting, and represents an exceptional buy . . . especially when combined with the commodious teacher's wardrobe and supply closet and smooth, fire-proof gliding curtaining.

Send for further information.

A. R. NELSON CO., INC.

210 E. 40th ST. • NEW YORK 16, N. Y.



SPENCER makes biggest cleaning NEWS for '55

WITH THIS NEW 7/8 H.P. PORTABLE

And it is *budget news* when your school can have a powerful "Spencer quality" commercial portable vacuum cleaner, complete with hose and cleaning tools, for less than \$250.

Why accept less-than-adequate cleaning equipment when it now costs no more to get "Spencer quality" into your cleaning program? This new machine cleans bare floors, walls, stairways, erasers, carpets, rugs, upholstery, draperies . . . gives you wet or dry pick-up.

Like all Spencer portables, the bag shakes out dust-free *inside* the machine and the dirt can has a quick and easy foot release. It will give you better and easier cleaning all ways. Don't delay, find out today!

BEST BUY TODAY FOR

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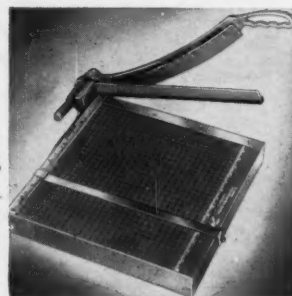
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SAFEST CUTTING BOARD EVER DESIGNED...

PREMIER ACE ALL-METAL CUTTING BOARD



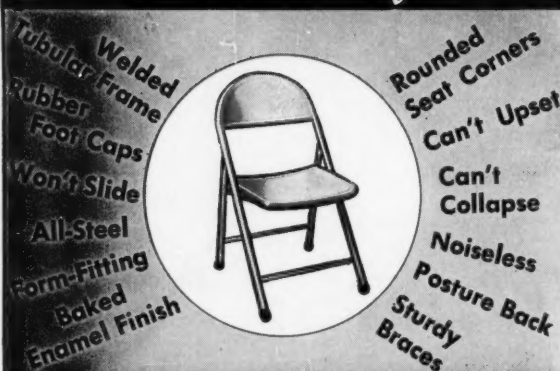
The new Premier Automatic Guard Rail feature affords complete protection against accidents—making the Ace All-Metal Cutting Board the safest for use in classrooms and school offices. Other features include automatic paper clamping device to keep material in position for accurate cutting... Hollow ground, self sharpening steel blade... permanently, accurately scored half-inch squares... rugged, all-metal construction for years of outstanding service.

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Ionia "SAFE-TEE" FOLDING CHAIRS



This Ionia Model 40 is a low-cost, all-steel, indestructible folding chair with a new safety design.

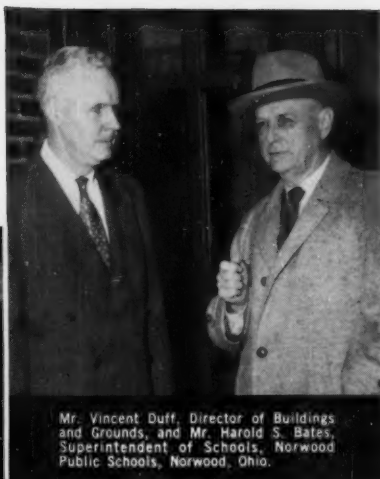
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Our Model 45—luxury chrome finish, leather upholstered spring-filled seat and back. For top-flight executive use.

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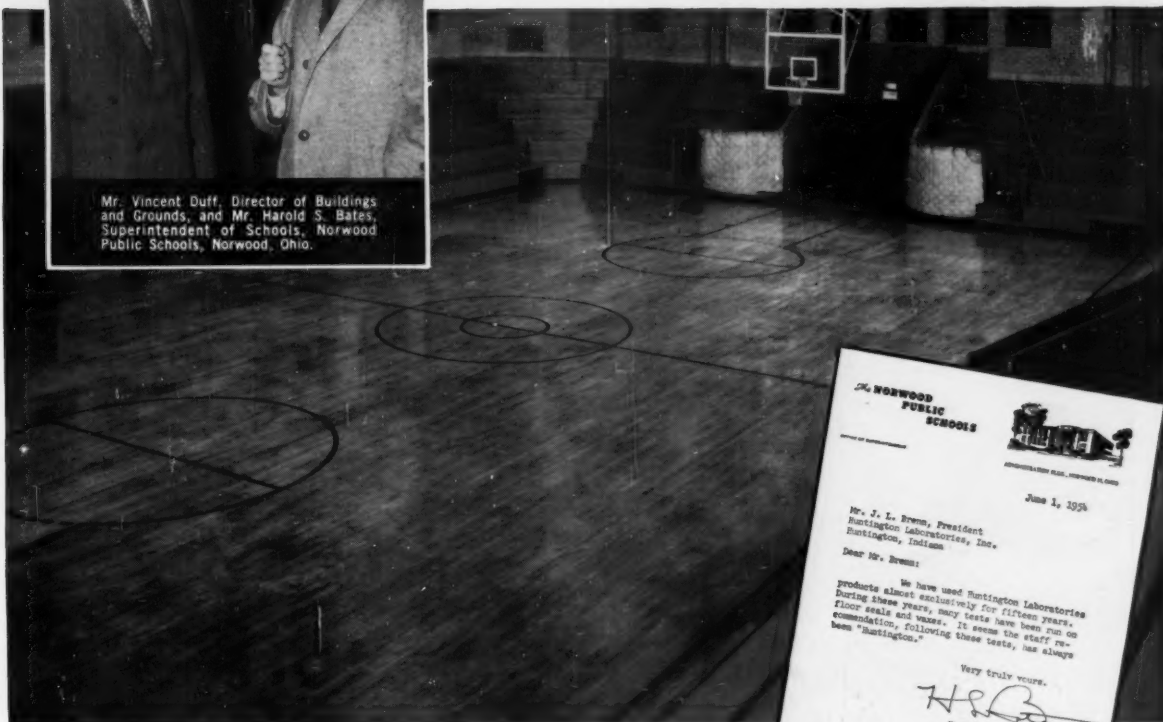


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SEAL-O-SAN is best
for their gym floors



SEAL-O-SAN®

requires less maintenance

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Protection, long life, low maintenance costs are all big money-saving advantages you get with Seal-O-San. However, most important to your coach and students is the quality of the playing surface. Seal-O-San is dependable for sure footing and quick stops. It even helps eliminate most accidents caused by skidding. Thousands of schoolmen, like Mr. Bates, have found Seal-O-San the answer to their gym floor problems. Try it this year on your floor.

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Paper Cutter

SE-626

Can Be Used by Kindergarteners

The Safe-T Paper Cutter can be used with complete safety by children of kindergarten age. It features all steel construction and a "Hidden Blade" cutting edge, a completely concealed standard Shick Injector razor blade that cannot touch anything except the material being cut. The blade can be easily replaced and will cut anything—tissue, paper,



cloth, cardboard, drawing board, corrugated—easily with a one-hand-press-and-slide motion.

The "see-thru" cutting channel made of steel-reinforced transparent butyrate permits cutting on pre-marked guide lines.

HECTOGRAPHIA CORP., 110 W. 17 St., New York 11, N. Y.

Roof Coating

SE-627

Both Protects and Preserves



Siliconed Asbestolite is a new bright aluminum coating which protects and preserves roofs while reducing underroof temperatures as much as 20°.

The coating is basically composed of asphalt, long strand Canadian asbestos and waterproofing oils. To these have been added silicones and billions of pure extra bright metallic aluminum flakes. The latter reflect the sun's rays and turn back approximately 71% of the sun's heat.

Asbestolite comes ready mixed and ready to use in 5 gallon cans and 30 and 55 gallon drums.

THE MONROE CO., INC., 10703 Quebec Ave., Cleveland 6, Ohio.

Floor Machine

SE-628

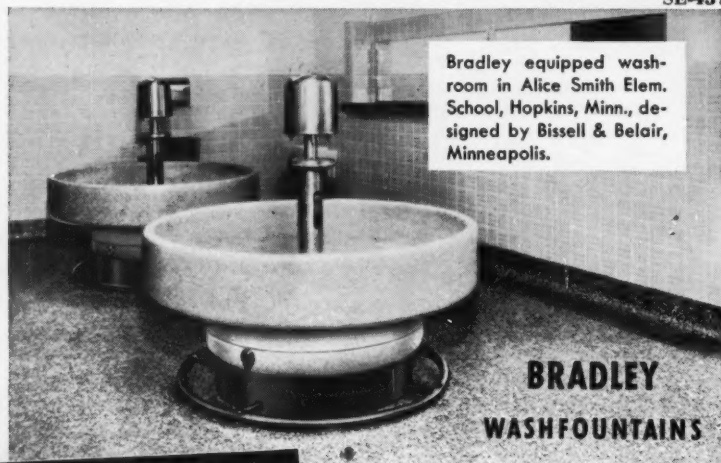
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Especially designed for schools, the Tennant self-propelled floor machine covers a 21" wide path. It permits two to three times faster buffing or rewaxing of floors.

Ease of operation and light weight are important factors in the speed of the new machine. The operator simply guides it over the floor. Low hood design allows buffing under desks and benches with only 3½" clearance; permits working within 1" of walls.

A special feature is a dry-waxing device.

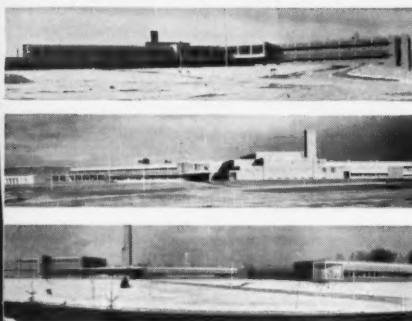
G. H. TENNANT CO., 2540 N. 2 St., Minneapolis 11, Minn.



Bradley equipped wash-room in Alice Smith Elem. School, Hopkins, Minn., designed by Bissell & Belair, Minneapolis.

**BRADLEY
WASHFOUNTAINS**

**MODERN
SCHOOL BUILDINGS
WITH
ECONOMICAL
MODERN
WASHING
FACILITIES**



Top: Mounds View H. S., New Brighton, Minn.
Middle: Minnetonka H. S., Minneapolis.
Bottom: Alice Smith Elem. School, Hopkins, Minn.
Architects for above schools,
Bissell & Belair, Minneapolis

During the last 20 years particularly, school authorities and architects have recognized the vital need for adequate, economical and sanitary wash fixtures...Group type fixtures like Bradley Washfountains are providing such facilities with foot-control and self-flushing bowls.

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With the trend more and more toward electric typewriters in business, complete familiarity with them should be gained in the classroom.

Otherwise, the girl unfamiliar with the new Royal Electric meets it for the first time in the business office. Inevitably, she'll be slowed down at first as she adjusts her heavier manual touch to the light, relaxed key stroking made possible by the new Royal Electric.

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Gentlemen: Please arrange for a demonstration of the new Royal Electric in my classes without obligation.

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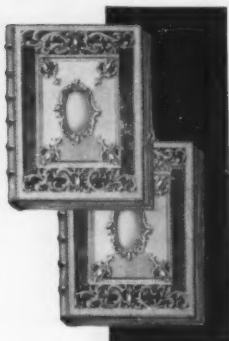
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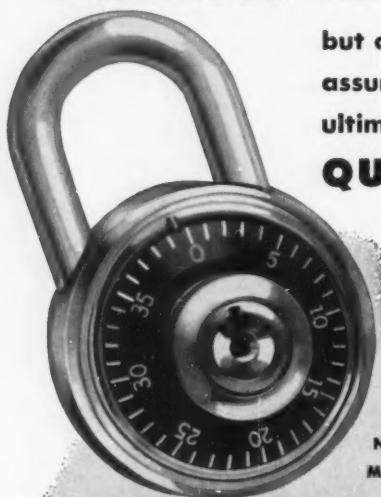
Royal Typewriter Company, Division of Royal McBee Corporation

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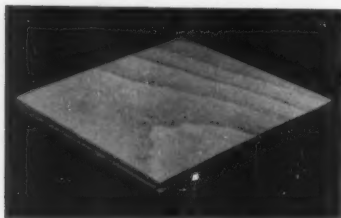
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SE-629
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Blocks Fit Flush



Precision cut to fit flush, Higgins laminated oak blocks show no separation between the gleaming 9" squares after installation. This feature makes

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Higgins block has a super thick selected red oak wearing surface in the finished floor. Cross bond lamination under hundreds of tons of pressure gives added strength and wear resistance even under "problem" conditions in school gymnasiums, libraries, recreation areas, cafeterias.

Higgins Oak Block absorbs sound, will not creak, and has extraordinary resistance to shock.

HIGGINS INDUSTRIES, INC., Box 8169, New Orleans 22, La.

SE-630
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Eliminates Spotting and Filming

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CALGON, INC., 323 Fourth Ave., Pittsburgh 30, Pa.

SE-631
Metal Trim

Matches Textolite Surfacing

Installations with G.E.'s Textolite plastic counter and wall surfacing can now be made with matching metal moldings.

The new metal trim consists of various extruded aluminum shapes, to which a special material is laminated, forming an almost indestructible bond.

The selection includes a wide range of patterns and colors, as well as wood grains, for every type of installation.

GENERAL ELECTRIC, LAMINATED AND INSULATING PRODUCTS DEPT., Coshocton, Ohio.

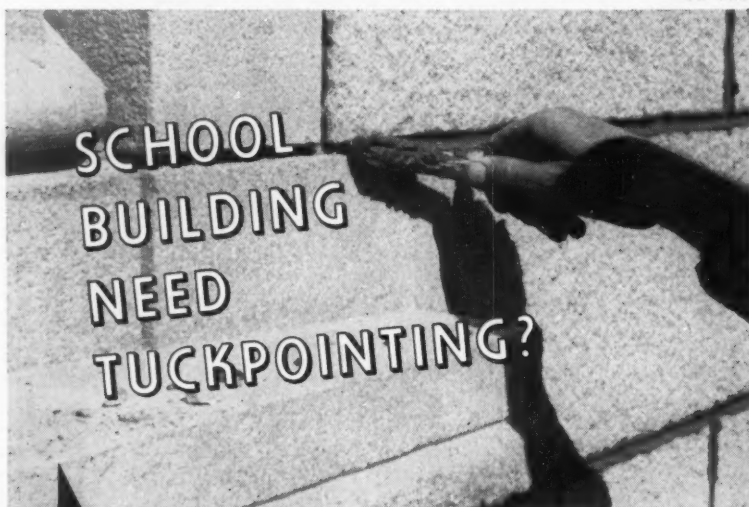
SE-632
Connection Panel

Connects Stage Lighting to Dimming Control Circuits

The Quick-Connect Panel is a simplified method of connecting individual or combinations of stage light circuits to any of the dimming control circuits of a switchboard.

It does away completely with patch cords and plugs. Cross-connection is accomplished with a series of vertical sliders connected to the stage light circuits. These are calibrated to make contact with horizontal busses connected to the dimmers. The mechanism is completely enclosed for safety and dead front operation.

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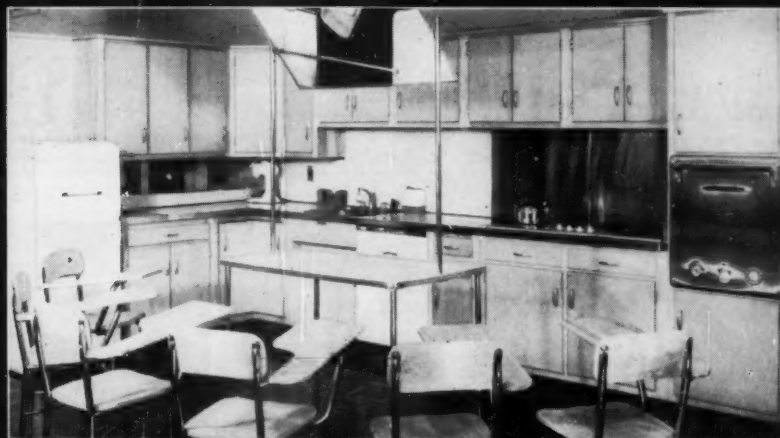


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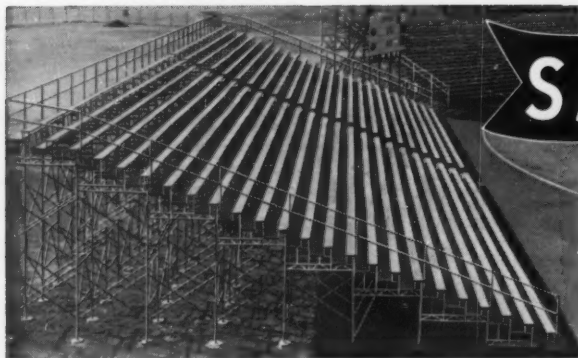
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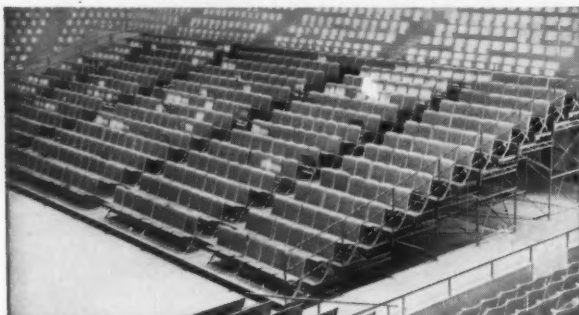
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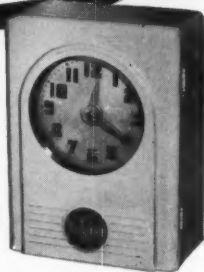
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SE-446

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SE-447



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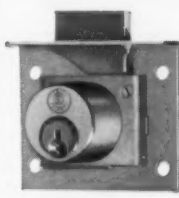


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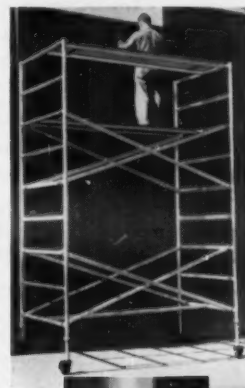
97th STREET AND WEST END AVENUE • NEW YORK

May, 1955

ALUMINUM SCAFFOLDS ... by The Patent Scaffolding Co.

NEW 4'6"-WIDE LADDER SCAFFOLD

This 4'6"-wide aluminum ladder scaffold provides added stability and extra working room for painting, cleaning, relamping and general maintenance jobs. Lightweight, aluminum components are easy to erect. Base section is 6' high. Other heights are achieved by combining other ladder units of 4' and 5'4", and using 24" leg adjustment (Inset). Leg adjustment (on all three Scaffolds) is built in and gives safe, positive height adjustment without lifting scaffold. Diagonal braces give 6', 8' or 10' spans. Smooth-rolling rubber-tired casters. Use inquiry card or write The Patent Scaffolding Co., Inc., 38-21 12th St., Long Island City 1, N. Y., Dept. SE.



2'-WIDE LADDER SCAFFOLD



Has same features as 4'6"-wide scaffold, but is 2' wide. Ideal for maintenance work in narrow hallways and aisles. Rolls right through standard 30" doorway. Can be used with diagonal braces to give spans of 6', 8' or 10' platform. Compact—parts lie flat and take up little room. Use inquiry card or write The Patent Scaffolding Co., 38-21 12th St., Long Island City 1, N. Y., Dept. SE.

SCAFFOLD OPENS LIKE A BOOK

One man can erect the base section of the "Fold-A-Way"® scaffold in less than a minute. End frames swing open sideways, while the base section is in a standing position, making an easily managed swing of about 90°. Adding additional 6' sections takes just a few minutes. Basic unit is 4'6" x 6' and is 7' high including rubber-tired casters. Ball bearing extension legs permit height adjustment up to 24'. Approved by Underwriters Laboratories, Inc. For more information on the "Fold-A-Way" Scaffold use inquiry card or write The Patent Scaffolding Co., Inc., 38-21 12th St., Long Island City 1, N. Y., Dept. SE.

(*Trade Mark)



197

SE-633

Troffer Acoustical Panel System

Speeds Reinforced Concrete Construction

Light-gauge steel panels combining the functions of pan forms, acoustic treatment and fluorescent lighting troffers have been integrated into reinforced concrete construction to effect savings in cost and time.

The troffer and acoustical panels provide permanent long-span forms for concrete joist construction and



immediate availability of an acoustically-treated ceiling with recessed lighting troffers.

The panels are each 24" wide and

are designed for long-span. The panel is perforated and "backed up" with a non-combustible acoustical element to assure a high acoustical rating. The troffer panel provides a housing for minimum-cost fluorescent fixtures and plastic diffusers for recessed lighting and flush ceiling.

DETROIT STEEL PRODUCTS, 2250 E. Grand Blvd., Detroit 11, Mich.

Hand Cleaner

SE-634

Needs No Water

Paint, grease, oil, grime, putty, printing or copying inks and many other stubborn stains are easy to remove with a new liquid hand cleaner called Rid. Rid can be used equally well with or without water, contains no ammonia or abrasives and leaves the hands soft and clean because it contains lanolin and a special anti-septic which de-germs the skin.

Available in a self-dispensing type can.

FERN-WEY CO., 11705 Detroit Ave., Cleveland 7, Ohio.

SE-451

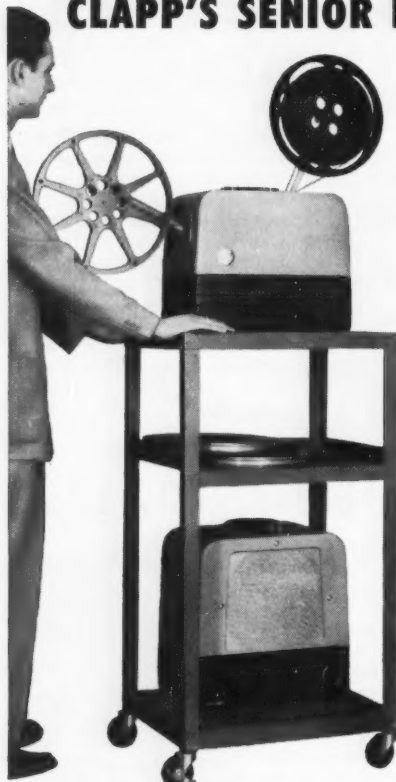
EVERY ROOM CAN BE A PROJECTION BOOTH

when you use

CLAPP'S SENIOR PROJECTION TABLE

only \$39.50

(F. O. B. Michigan City, Ind.)



Clapp's Senior Projection Table, in Use

Whether you want to use projection equipment in different rooms or different buildings (or even different cities), the Clapp Roll-about Projection Table is the last and best word in solid, jitter-free, projection convenience. Compact, easily moved from place to place—yet it sturdily and safely holds even heavy or bulky equipment.

CLAPP'S SENIOR PROJECTION TABLE FEATURES:

- All-steel, welded table 42" high
- Rubber mat for top shelf
- All three shelves 18" x 22"
- 11" between top and second shelves
- 22" between second and lower shelves
- Durable grey, baked enamel finish
- 3" soft rubber-tired casters with ball-bearing swivel on all casters
- Sidebrakes on two casters to prevent rolling—even on inclined floors

Also available: CLAPP'S JUNIOR 26" TABLE @ \$31.50



Ask your audio-visual dealer or write

W. D. CLAPP COMPANY • 333 N. Michigan Ave., Chicago 1, Ill.

SE-635

Transcription Playback

Has Been Redesigned



Audio-Master Corp. has just redesigned their standard all-purpose Transcription Playback Machines.

The new design features a front panel operation, making it easier to manipulate. Both redesigned models, A-M #52 and A-M #53 incorporate a 5-tube Push-Pull High Gain Amplifier, are equipped with 3 speed motors, and play records and transcriptions up to 17 1/4".

AUDIO-MASTER CORP., 17 E. 45 St., New York, N. Y.

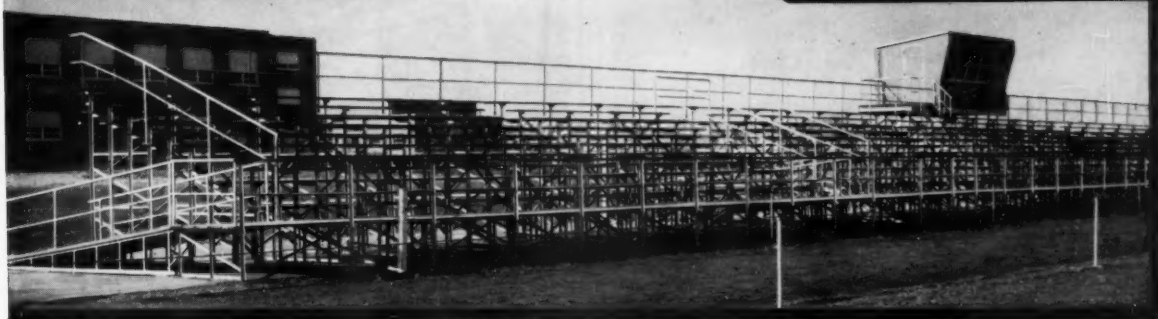
NOW- Bleacher Seating GALVANIZED AF*

There's real significance to our emphasis of the letters **AF***. No—they are not the abbreviation of a governmental agency, nor do they denote the degree of a person's educational background. But—to school administrators, **AF*** does have important meaning. It symbolizes substantial savings in terms of dollars and cents.

AF* stands for AFTER FABRICATION.

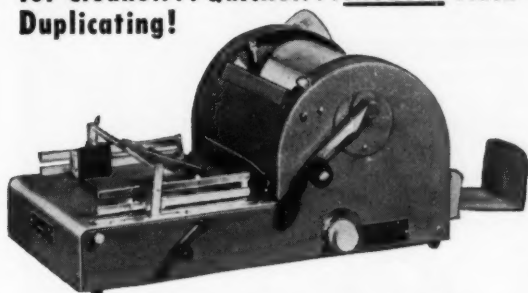
We feature **AF** in connection with our exclusive **Galvanizing** process because it means that all steel members of **PLAYTIME** seating receive a heavy Hot-Dip zinc coating following weldment and sub-assembly. **Galvanizing AF** stops rust at manufacturing source. It eliminates for many years the necessity for painting and scraping—a factor that can make ownership of bleachers a costly liability.

If you are seeking bids on either permanent or portable athletic stands, be sure to investigate **PLAYTIME's Galvanized AF** bleachers. They'll cost you less and last you longer!



SE-453

Choose **REX-O-graph**
for Cleaner... Quicker... Modern Fluid
Duplicating!



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- Announcements, letters, office forms!
- Up to FIVE colors from one Master, one run!
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- Precision-built, trouble-free!

MODELS
from

\$98 to \$878
(Plus tax
FCB Milwaukee)

DEALERS: Choice areas open for
steady profits on equipment and supplies!

REX-O-graph, inc.

7854 W. Hicks
Milwaukee 14, Wis.

SE-454

PUSH BUTTON CONTROL



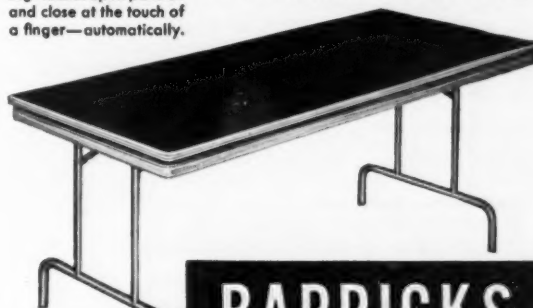
With Barricks patented
AUTOMATIC LEG LOCK,
legs lock in open position
and close at the touch of
a finger—automatically.

BARRICK'S Folding Tables with "push
button" operation reduce setup time.

Exclusive steel center channel construction adds strength—reduces weight.

Choice of rectangular, square or round
tables with plywood, formica or blonde
hard board tops in sizes and styles to
your exact needs.

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FOLDING TABLES



BARRICKS
MFG. CO.

America's Finest Folding Tables

See your dealer or write for
the complete Barricks story.
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CHICAGO 8, ILL.

indispensable for MODERN SCHOOL ADMINISTRATION



MODEL S124

Rauland LOW-COST Intercommunication System

2-Way Communication and Program Facilities

- For up to 48 classrooms
- Emergency "All-Call" feature
- Volume level indicator
- Remote microphone operation
- Facilities for external radio and/or phonograph

This compact system is designed for use where ideal low-cost two-way communication facilities are desired for the supervision of all school activities. Has facilities for up to 24 classrooms (with optional "add-on" base for a total of 48 rooms). Includes valuable "All-Call" feature. Announcements, speeches and other voice transmission can be made by microphone to any or all room speakers, as desired. Speech origination from any room to the central cabinet is also possible.

For added usefulness, the S124 System has provision for connecting external radio and/or phonograph, permitting the distribution of radio or recorded programs to room speakers, as desired. Completely housed in compact, attractive all-steel blue-gray cabinet suitable for table or desk installation. Write for complete description covering this sensibly-priced, quality-designed-and-built School System.

RAULAND-BORG CORPORATION

Rauland-Borg Corporation
3515-E West Addison St., Chicago 18, Ill.

Send full details on RAULAND School Sound Systems.
We have _____ classrooms.

Name _____ Title _____

School _____

Address _____

City _____ Zone _____ State _____



Not Just Strength...

TRI-BALANCE STRENGTH

Minimum weight (for long-haul strength) . . . no knee-interference at either *END* or *SIDES* . . . folds and unfolds in a jiffy . . . most efficient automatic locking device . . . stack and store in minimum space. Just a few advantages of tri-balance design combined with Metwood-Hanover's traditional craftsmanship. Professional buyers call it . . . "The Table with 9 Lives".



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obligation:

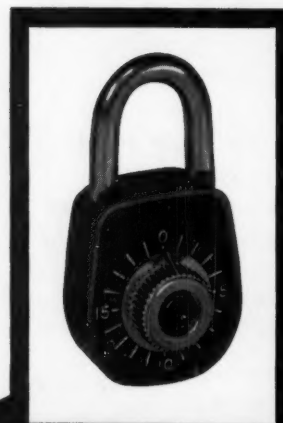
Metwood Mfg. Co., Inc.
Hanover, Pa.

metwood hanover

FOLDING TABLES

it's the **CLICK** that counts

Count the "clicks" — presto, it's open! You don't have to see the dial to work the combination. For quickest and easiest operation — as well as economy, security, and durability in schools — it's the Gougler Keyless Lock.



**Locks
serially
numbered**

**FREE
Service
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**Materials &
Workmanship
Guaranteed**

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Available with or without Master Key

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SE-458

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TATEM Surf Club

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Rates from \$8 double,
European Plan.

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MIAMI BEACH

SE-459

SPHINX

Noiseless

CHAIR
GLIDES



MADE ESPECIALLY FOR SCHOOL FURNITURE

Replacing worn out glides is expensive... save this expense... request Sphinx long wearing glides on your new furniture. Thickness and quality of the metal base determines the life of the glide. Samples available, no obligation.



FULLERTON

CALIFORNIA

May, 1955

SE-460

IN SCHOOLS

Floor Care
is mostly labor cost.

QUALITY MOPS

Reduce
Man-Hours!



Cuts Clean-up
Time in Half

BIG X
Sweep Mop

Here's a mop that snatches up dust on contact. And it's amazingly durable... lasts and lasts. Can be removed from block for washing. Handles can't break due to exclusive new, rugged "Gibraltar" brace... BIG X comes in various widths up to 5 feet!... It's our leader!

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HOLZ-EM Applicator

A high-speed performer. Reduces cost of applying wax, seals, varnish. More professional floor finishers use HOLZ-EMS than any other applicator.

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AMERICAN STANDARD products from your regular supplier. He has them or can get them for you. If not, write us direct.

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201

Mouth Protector SE-636

For All Contact Sports

Voit Impression-Fit Safety Mouth Protector protects teeth, lips, tongue, jaws and guards against concussions in all contact sports. It is designed with a pliable, patented "fill" material which assures each player a snug, effective fit. This "fill" surrounds each tooth, giving a perfect, individual impression which further improves the basic protective features of the mouthpiece.

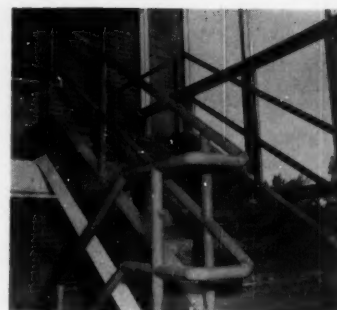
Three sizes are available to fit all players.

W. J. VOIT RUBBER CORP., Los Angeles 11, Calif.

Hand Railings SE-637

Made of Porcelain Enamel

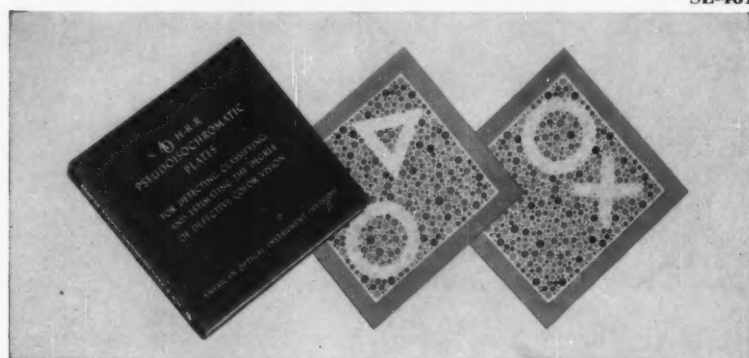
The railings illustrated are composed of streamlined steel tubing finished in lifetime Porcelain Enamel. The tubing was designed slightly larger in diameter than short pieces



of wrought iron pipe used as fittings. These are slotted lengthwise to provide spring and insure a tight fit after insertion into the ends of the enameled pipe. A butt joint is thus provided at every connection and self-tapping metal screws, which fasten to the inner fitting, secure the assembly.

A special architectural type of acid-resistant Porcelain Enamel was applied. It is anticipated that the railings will last the life of the buildings with no refinishing or maintenance required other than mild soap and water washing.

THE ERIE ENAMELLING CO., Erie, Pa.



SE-461

Completely New AO H-R-R COLOR BLINDNESS TEST

Most Accurate and Comprehensive Low-Cost Test Ever Developed

The New AO Hardy-Rand-Rittler Pseudoisochromatic Color Test is the most accurate and complete inexpensive test of its type ever developed. The work of eminent optical authorities, it is the result of more than ten years of scientific investigation, production and validation.

The test not only detects people who have Red-Green and/or Blue-Yellow color blindness but also types the deficiency and estimates the degree of defective color vision present.

Students who are color blind cannot and should not be expected to make determinations dependent on normal color vision. Ideally, they are color

tested and when found deficient the school guidance program directs them toward vocations where defective color vision will not be a handicap. To accomplish this easily, the new test has been designed for the utmost simplicity of administration. For the vast majority of students it is completed in seconds. Simple, detailed instructions and understandable scoring sheets are part of the test. The recognition symbols used . . . the circle, triangle and cross are universally understood and the ingenious pattern of the plates allows no clues for memorization.

AO branches are located in nearly 300 major cities, or write

**American
Optical**

INSTRUMENT DIVISION
BUFFALO 15, N. Y.

Dept. Q-71. Please send complete information on the H-R-R Color Test.

Name
School Title
Address
City State

Table Saw Guard SE-638

For Complete Safety



The circular table saw, one of the most dangerous of power tools, can now be operated with complete safety thanks to the Brett-Guard and Guide.

Features are the precision-engineered guard standard of cast aluminum, and transparent shield of shatter-resistant one-half inch thick Plexiglas plastic which covers the saw while allowing full vision and complete accuracy in a wide variety of operations, such as mitering, cross cutting, compound mitering, ripping, rabbeting, tenoning, and many others.

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FOR EASIER FLOOR UPKEEP



For floor finishing or daily maintenance, Brillo solid-disc steel wool floor pad hardens and brightens finish. Regular once-over removes traffic grime—renews gloss quickly without rewaxing. Equally efficient for linoleum, asphalt or rubber tile, wood, and terrazzo.

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cleans and buffs
in one operation
SAVES TIME

... does the job
faster—without
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BRILLO
SOLID-DISC STEEL WOOL
FLOOR PADS



SE-463



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SE-465



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**DURABLY BUILT TO
WITHSTAND THE MOST
GRUELLING CONDITIONS**

Krueger's ahead again . . . this time with two entirely new Y-type chairs — one of tubular steel, the other of channel steel. Both, boasting radically new structural methods and details that make them the finest, most durable and comfortable portable chairs ever offered.

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FEATURES OF THE SERIES 80**

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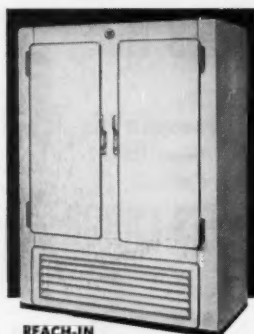


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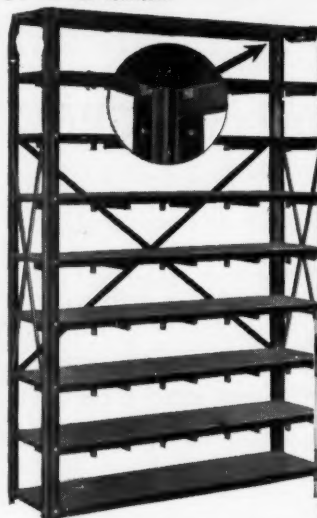
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Inquiries invited from school supply dealers.

NEUBAUER MFG. CO.

2015 Central Ave.
Minneapolis 28, Minnesota

SCHOOL EQUIPMENT INDEX—MAY, 1955

This index covers products and services referred to in both advertisements and editorial reviews in this issue. To find a particular advertisement or editorial listing, consult the key (SE number) which precedes the listing, and which will also be found above the advertisement or listing in the body of the magazine.

If further information concerning any of these products is desired, it will be sent without charge or obligation. Simply circle the identifying numbers on the back of the business reply card below and mail it to us.

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- 303 Van Duprin Fire and Panic Exit Devices
- 304 Ward School Bus
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- 307 G-E Textolite Tops
- 308 Remington Rand Photocopying Equipment
- 309 Haldeman-Hemme Ericksen Fold-A-Way Products
- 310 Salvajor Waste Disposer
- 311 Jennison Krollite Flooring
- 312 Presto Turntable, Tape Recorder
- 313 Ford School Bus
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- 315 Powers Thermostatic Water Mixers
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- 318 NEMA Freezers
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- 322 Dictaphone Time-Master Dictating Machine
- 323 Westmoreland School Seating
- 324 Dodge School Bus
- 325 Rockwell Delta Power Tools
- 326 Simontz Floor Waxes
- 327 Chevrolet School Bus
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- 375 Acme Rustoscale Boiler Water Treatment
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- 379 National Hand Dryers
- 380 Detroit Fenestra Door-Frame-Hardware Units
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- 386 Church Toilet Seats
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- 390 Given Waste King Pulverator
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- 396 Roloscreen Pella Wood Folding Doors
- 397 Meduwall Classroom Live-Walls
- 398 Dudley R-D 2 Lock
- 399 Breuer Tornado Vacuum Cleaner
- 400 Reflectal KoolShade Sunscreen
- 401 Calotex Sound Conditioning
- 402 Smithcraft Lighting Fixtures
- 403 Hillyard Floor Treatments
- 404 Tiffany Stands
- 405 Griggs School Seating Equipment
- 406 Corning Double-Tough Dinnerware and Tumblers
- 407 Magic Chef Cooking Equipment
- 408 Westinghouse Water Coolers
- 409 American Cyanamid Melmac Dinnerware
- 410 Norris Milk Dispensers
- 411 Klopp Coin Counters
- 412 International Molded Cafeteria Trays
- 413 Duke Waterless Food Warmers, Cafeteria Counters
- 414 Finnell Scrubber-Polisher Floor Machine
- 415 Mitchell Folding Tables & Stands
- 416 American City Fund-Raising Campaigns
- 417 Vestal Floor Wax
- 418 Pratt & Lamber Flat Paint
- 419 Recreation Playground Equipment
- 420 Viewflex Slide & Strip Film Projector
- 421 Sico Portable Bleachers
- 422 National School Cafeteria Furniture
- 423 Corry-Jamestown Steel Files
- 424 Victor 16mm Sound Projectors
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 439 National Combination Locks
 440 Don Food Equipment
 441 Pittsburgh Stage Equipment
 442 Mississippi Diffused Glass
 443 Western Waterproofing Services
 444 Mutschler Home Economics Equipment
 445 Safway Portable Bleachers and Grandstands
 446 Montgomery Program Timers
 447 Lexit Floor-Laying System
 448 Eagle School Locks
 449 Hotel Paris
 450 Patent Aluminum Scaffolds
 451 Clapp Projection Table
 452 Playtime Galvanized AF Bleachers
 453 Rex-O-Graph Dupliator
 454 Barricks Folding Tables
 455 Rauland-Borg Intercom System
 456 Metwood Folding Tables
 457 Gougler Keyless Locks
 458 Tatem Surf Club
 459 Sphinx Chair Glides
 460 American Standard Sweep, Wet Mops
 461 American Optical Color Blindness Chart
 462 Brillo Floor Pads
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SE

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THE SCHOOL EXECUTIVE, 470 Fourth Ave., New York 16, N. Y.

May, 1955

Please ask the manufacturers, indicated by the numbers I have circled, to send further literature and information provided there is no charge or obligation.

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ADJUSTABLE LEGS
for sloping floors
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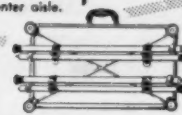
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folds compactly.
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An ART or DRAWING CLASS
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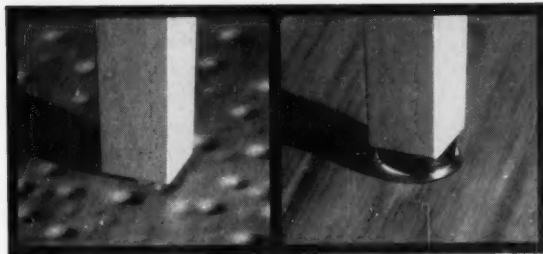
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only \$7.95 list price

SE-470

Bad marks on your floors?



They'll pass with

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Put shock-absorbing Bassick Rubber-Cushion Glides on school tables, chairs, desks and similar furniture — and your floors will never flunk inspection! Broad, flat base of highly polished steel whispers across floors with never a mark. Start using them today — your floors deserve them. THE BASSICK COMPANY, Bridgeport 2, Conn. In Canada: Belleville, Ont.



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SE-471

HOLDS, DISPLAYS AND PROTECTS UP TO 66 DIFFERENT
MAGAZINES, FOLDERS, WORKBOOKS

IN LESS THAN HALF THE
FLOOR SPACE OF AN
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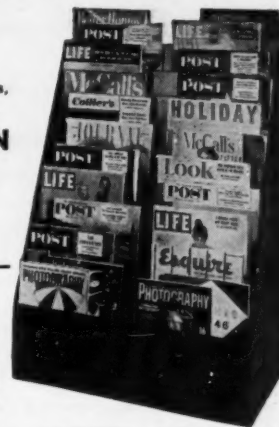
Ideal for Libraries, Study Rooms,
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Keeps every copy easy to see, select and replace. Eleven functional, tilt-back pockets hold 66 different magazines, insure neat arrangement, undamaged storage, saves continuous tidying up. Frees table space for other use.

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\$3750

F.O.B. CHICAGO

Overall size, 36" high, 27½" wide, 15" deep. Pockets 13" wide, ¾" deep, 8" high at front, 11" at back.

Shipped completely set up. No screws or bolts to assemble.

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Subsidiary of MIM-E-O STENCIL FILES COMPANY

SE-639

Manual Training Projects

Packaged in Kit Form

The Veneer Lumber & Plywood Co. announce a new service to be known as the Pattern Kit, in which the customer can purchase 5/16" finished lumber cut to convenient widths and lengths to make a particular pattern. Twenty-five attractive patterns, ranging in difficulty from a simple fish plaque to an elaborate wall cabinet, are available.

Each kit contains the pattern and all necessary lumber and hardware to do the complete job.



VENEER LUMBER & PLYWOOD Co.,
2637 S. Throop St., Chicago, 8, Ill.

Advertisement

SE-472



AT NORMAL WALKING SPEED, custodian buffs 21" path, renewing wax at same time. Powerful vacuum picks up soilage.

New Type Floor Machine Maintains Gyms, Classrooms in 1/3 Usual Time

- Works FAST; is self propelling.
- Renews wax and polishes in 1 operation.
- Has powerful vacuum; does a clean job.
- Ruggedly built, yet weighs less than 90 lbs. Powered by 1 h.p. motor.

A fast, new type floor machine of exclusive design—with built-in vacuum and a dry-waxing device—attracted special attention at the recent AASA show in St. Louis.

The new machine is self propelled and reportedly maintains classrooms, gyms and other areas in about 1/3 the time ordinarily required.

It also provides an exclusive dry-waxing and polishing technique for fast, low cost renewal and maintenance of wax coatings on floors.

The machine covers a 21" path; uses a cylindrical drum for buffing, rewaxing, polishing or scrubbing; has powerful vacuum (3450 rpm fan).

Other features include dry wax cartridge, 8 1/2" nose clearance, easy portability (weighs less than 90 lbs.). For details write to the G. H. TENNANT Co., 2540 N. 2nd St., Minneapolis 11, Minnesota.

Closet Units

SE-640

Sliding Doors Save Space



Esco prefabricated closet units feature sliding doors, finished in natural birch veneer, which save space and allow full use of adjacent floor and wall areas. Unexposed surfaces are fir plywood.

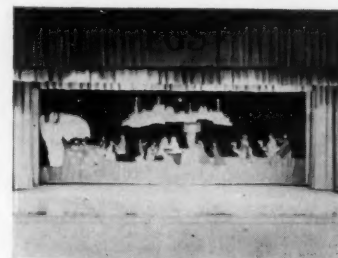
The prefabricated Esco sliding closet doors are available in any size, of varnished or plain Novoply, or birch veneer with Novoply core. They are unconditionally guaranteed not to warp. The doors are locked into the track on assembly and nylon hangers and floor guides make them silent in operation. They require no floor track.

ENGINEERING SALES Co., 550 McNeilly Rd., Pittsburgh 26, Pa.

Fabrics

SE-641

For Room-Darkening, Cycloramas, Borders



New Dura-Decor Functional Fabrics feature permanent fire-resistance, economy, versatility and absence of maintenance. These fabrics have a core of strong, pliable Fiberglas and are produced with an attractive flat finish.

The illustration shows one of the applications of this curtain material as a scenery backdrop, decorated with water paints which can be washed off and the scene changed to suit the occasion.

DURACOTE CORP., Ravenna, Ohio.

SE-473

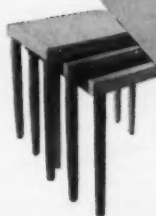


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furniture and
storage units
for early
childhood
classrooms



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Early
childhood
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pioneering
in stacking
multi-functional
furniture.



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SE-474

Clean Heat



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Sturdy, clean, quiet, economical,
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May, 1955

SE-475

MORE PASSENGERS MORE SAFETY



America's
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School
Transportation

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All American

with the motor up front where it belongs
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The New, BLUE BIRD All American with 3 models and passenger capacities ranging from 48 to 76 will fill your needs today ... and help you meet your problems of ever increasing enrollment. It will cut your carrying cost per pupil ... reduce the number of drivers and maintenance personnel. One All American will provide safer, less costly transportation for more children!

WRITE TODAY FOR COMPLETE INFORMATION!



3 Wheelbases ... to fit
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The most versatile school
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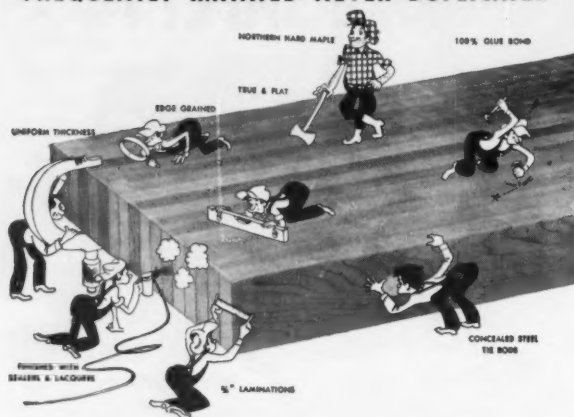
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City _____ State _____
School _____ Title _____

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TOLCO TOPS

FREQUENTLY IMITATED NEVER DUPLICATED

SE-476



- TOLCO— FIRST WITH ELECTRONIC GLUING
- TOLCO— FIRST WITH $\frac{3}{4}$ " NORTHERN, HARD MAPLE LAMINATIONS
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THE TOLERTON CO.
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Mackin Visual Education Blinds

guarantee complete control of



LIGHT

DARKNESS

For Projection of Movies, Slides and Opaque.

SO Easy to Operate

In a single, simple operation you adjust Mackin Blinds to meet the exact needs of your Visual Education Program. Just pull the cord, set the light control shields.

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Mackin Blinds let you use ALL of the daylight — or NONE of it! Slats may easily be removed for washing. Mackin Blinds last longer, work better.

SO Permanent!

Mackin Blinds are "BUILT-IN" to guarantee a better fit, and greater permanence. Rugged chain operation. Best grade enameled northern basswood slats and heavy duty hardware make durability a positive guarantee.

SO Beautiful!

A sleek, flush-mounted installation of Mackin Blinds can add to the beauty of any room. There are seven striking colors to choose from. **GET RID OF DOUBLE EQUIPMENT — DOUBLE MAINTENANCE!** Write for Complete Mackin Blind Information NOW!

MACKIN VENETIAN BLIND CO. Momence, Illinois

SE-478

SE-477



Hussey Model 8 installation at Pettengill Park, Auburn, Maine

WHETHER YOU NEED 48 OR 48,000 SEATS

Hussey Patented Portable Steel Sectional Bleachers and Grandstands are the most practical and most economical answer to your seating problems. They can be used for baseball, football, etc., and then quickly and easily moved inside for basketball and other indoor needs. They are safe, last indefinitely, sections can be added.

They can be set up and taken down faster and easier than any other stand—only 1.2 minutes per seat to set up and 1 minute per seat to take down. Available in two styles—Model 6 Portable Bleachers and Model 8 Portable Grandstands.

Ask about Hussey's NEW, all enclosed deck, "ROLL-OUT" Gym Seats. Fold back against the wall when not in use.

FREE catalogs and complete information on request. Write today!

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SINCE 1835

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OFFERED ON . . .

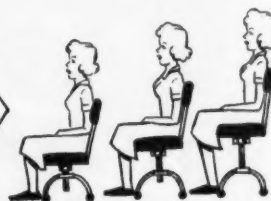
FREE
30 DAYS' TRIAL



Send request saying, "Ship Typing Classroom chair for 30 days' free trial". No obligation to you. If you don't want to keep the chair, tell any school supply salesman to pick it up.



**FITS 'em
ALL Instantly!**



There's no other chair on the market that will give your students INSTANT height adjustment. No tools. It's Dependable's answer to the crying need for tru-posture chairs in the typing classroom. Besides instant height adjustment Dependable's Tru-Posture Chairs have 4 other quick adjustments: (1) back rest raises or lowers, (2) back rest adjusts forward or back, (3) back rest regulates to any degree of tension, (4) back rest flexes to fit body.

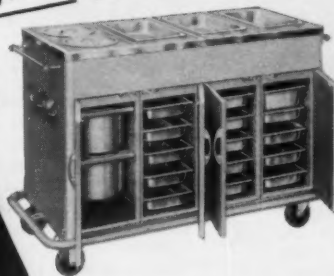
Send request at once. No obligation. Address: Tru-Posture Typing Chairs,

DEPENDABLE MANUFACTURING COMPANY
New Factory at Bellevue, Nebraska

PRACTICAL WAY TO SERVE 200 MEALS anywhere, anytime...

NACO Hot Cold Portable

ELECTRIC FOOD CART



Even delivered from a central kitchen miles away, hot foods stay hot, "cool foods" stay cool in a Naco HCP cart. Food is kept oven-hot in three insulated "hot" compartments while salads and other "cool foods" may be refrigerated with dry ice or kept at room temperature in the 4th compartment. Holds 18 serving pans or 18 fireless cooker pots in hot section and 6 pans in cold section. Ideal for serving schools, hospitals, industrial cafeterias, banquets, etc. Write for full information.

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Los Angeles, Calif.
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Darren, Conn.
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Pleasant Hill, Ill.
Dana Hall School
Wellesley, Mass.
Springport Rural Agr. Sch.
Springport, Mich.
Crestview School
Kansas City, Mo.
Henderson High School
Henderson, Nev.
Roswell High School
Roswell, N.M.
Shenandoah Central School
Round Lake, N.Y.
Ashland School Dist. #3
Ashland, Ore.
Green Valley Elem. School
East McKeesport, Penna.
Dickinson High School
Dickinson, Tex.
Federal Way Sch. Dist. #210
Redondo, Wash.

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Soledad, Calif.
Folsom State Prison
Repres, Calif.
Texas Prison System
Huntsville, Tex.

HOSPITALS

Pacific State Hospital
Spadra, Calif.
Stockton State Hospital
Stockton, Calif.
Memorial State Hospital
Tulsa, Okla.
Vacaville State Hospital
Vacaville, Calif.
Atascadero State Hospital
Atascadero, Calif.
Somerset State Hospital
Somerset, Penna.

SE-481

Monroe FOLDING BANQUET TABLES



See Monroe Tables and Other Equipment at NEA Convention, Cleveland, April 2-6, Booth F-51.

DIRECT PRICES & DISCOUNTS TO SCHOOLS, CHURCHES, LODGES, HOTELS, CLUBS, etc.

NOW, Monroe Folding Banquet Tables, at no extra cost, are offered with completely finished tops, highly resistant to most serving hazards. May be USED WITHOUT TABLE CLOTHS, if desired. Also available in Formica and Ormacele special color and pattern types. Write for catalog with direct factory prices and discounts to religious and educational institutions, clubs, lodges, etc.

MONROE TRUCKS

For Folding Tables and Chairs



Chair Truck TSC

Transport and store your folding tables and chairs the easy, modern way on MONROE Trucks. Construction of Transport-Storage Trucks permits maneuverability in limited space. See Catalog.



Complete Line of Folding Chairs

THE Monroe

Company

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SE-482

The World's Best Mop Used the World Over!

KING SIZE

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With eleven dusting surfaces ranging in size from 12 x 20 to 12 x 70, these big Monarch Corridor Dusters are designed to handle "King-Size" jobs — Wide Corridors — Office Buildings — Hospitals — Gymnasiums — School Floors. The head is detachable and washable and is made of the finest long staple yarn... Use a Tu-Way! You'll understand why we sell more industrial mops than any other manufacturer in the world.



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TU-WAY PRODUCTS COMPANY

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Audio-Visual Aids

SE-701 Four New Filmstrips

Among the filmstrips for schools currently being released by YAF are these four new sets: (1) *American Authors Series*—six filmstrips dealing with the life and work of six important American authors and designed for American literature classes at the elementary and high school levels; (2) *Map Series*—Two filmstrips containing the basic maps needed by the teacher of geography and history and the elementary and high school levels; (3) *Principles of Biology, Set No. 1*—six filmstrips illustrating and explaining basic concepts of biological science and directed to high school and college biology classes; (4) *Young America Sings: Grade Three*—a continuation of the program of music

education for elementary schools begun by YAF in 1954 with its units for grades four and five. The set consists of two long-playing records and eight synchronized filmstrips. YOUNG AMERICA FILMS, INC., 18 E. 41st St., New York 17, N. Y.

SE-702 Consumer Buying

The Most For Your Money, 14-minute film, illustrates basic principles of sound consumer buying, for use in guidance, home economics, and business courses taught in junior and senior high school or in the first year of college. The film presents its information in an informal manner, free of any condescending or didactic tone, and contains valuable hints to parents on how they can help their teenagers to shop wisely. MCGRAW-HILL BOOK CO., TEXT-FILM DEPT., 330 W. 42nd St., New York 36, N. Y.

SE-703 Bicycle Safety

Monkey Tale, 16mm, sound, 9 minutes, black-and-white. The engaging film *Monkey Tale*, with a cast of five chimpanzees, is designed to teach young children the basic rules of bicycle safety. The film will be of importance to safety education units in the elementary grades. It will also be of interest to scout groups and school service clubs, as well as P.T.A.'s and civic organizations concerned with planning safety programs. ENCYCLOPAEDIA BRITANNICA FILMS, 1150 Wilmette Ave., Wilmette, Ill.

SE-704 Film on Coal

The Waiting Harvest, 23-minute film in color, traces the development of coke-making operations from the early industrial era when black smoke from beehive coke ovens was cast off into the atmosphere to modern coke oven which channel it into processing units where the important chemical components are extracted. The new color film shows how the gases are treated at U. S. Steel's coke and coal chemical plants to produce benzol, toluol, xylol, ammonium sulphate, creosote, pyridine, naphthalene and other chemicals. Along with depicting this conversion, several scenes are devoted to the manufacture of end products made from the chemicals. Although coal chemicals now contribute to the manufacture of numerous products, the motion picture points out that only the surface has been scratched and coal offers a vast potential of things yet to come—a *Waiting Harvest*. UNITED STATES STEEL CORP., 525 William Penn Place, Pittsburgh 30, Pa.

SE-705 New TWA Film

Air Adventure to Europe. This new film incorporates the excitement and wonder of young students' first air-tour of Europe by Trans World Airlines and is intended for showing before colleges and universities and teacher groups in the United States who are organizing student and teacher tours to Europe next summer. The trip is via TWA Constellation from New York to Paris, and travel by motor coach along the French and Italian Rivas to Rome, and then to Florence and Venice. Other cities are also visited. The 16mm sound-color film may be obtained through the INSTITUTE OF VISUAL TRAINING, 40 E. 49th St., New York 17, N. Y.

SE-706 Recordings and Filmstrips Catalog

The 1955 edition of the *Annotated List of Phonograph Records* has just been issued by the Children's Reading Service. For the first time a list of filmstrips has been included as a new section in this catalog. More than 1000 chosen recordings from many record manufacturers, arranged by subject areas and grade groups, are presented. In addition to recordings for music understanding, this list contains recordings for square dancing, language arts, science and social studies suitable for kindergarten through senior high school and college level. CHILDREN'S READING SERVICE, 1078 St. John's Pl., Brooklyn 13, N. Y.

Milk tastes better from a Stainless Steel bulk dispenser



West Allegheny Junior High School at Imperial, Pa., is now serving milk from a refrigerated Stainless Steel bulk dispenser. Here is what Principal E. H. Hoshauer says:

"The Stainless Steel bulk milk dispenser is liked by faculty and students alike. They report the milk has a better taste. It is also possible to get milk at slightly lower cost and thus have money to support the cost of other items on the menu.

"On the whole, it is also noted that the children drink more milk and are less likely to return unused milk. No matter how warm the day, there is no danger that any of the servings may become soured or unpalatable."

United States Steel, as the manufacturer of USS Stainless Steel from which bulk dispensers are made, will be glad to put you in touch with manufacturers of dispensers. Just mail the coupon below.

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COLUMBIA-GENEVA STEEL DIVISION, SAN FRANCISCO
NATIONAL TUBE DIVISION, PITTSBURGH
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UNITED STATES STEEL SUPPLY DIVISION,
WAREHOUSE DISTRIBUTORS
UNITED STATES STEEL EXPORT COMPANY, NEW YORK

**USS STAINLESS
STEEL**

SHEETS • STRIP • PLATES • BARS • BILLETS
PIPE • TUBES • WIRE • SPECIAL SECTIONS

Agricultural Extension Section
United States Steel Corporation
Room 4703, 525 William Penn Place
Pittsburgh 30, Pa.

Please send me complete information on
Stainless Steel bulk milk dispensers.

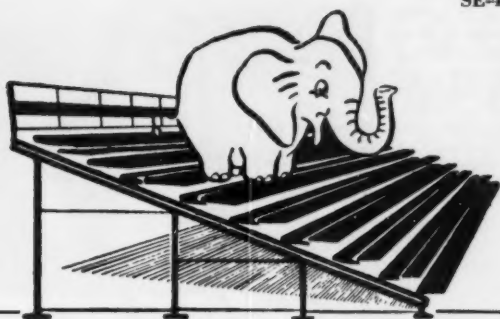
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UNITED STATES STEEL

SE-484



"With the Extra Margin of Safety"
PLAY IT SAFE . . .
BE ABSOLUTELY SURE!
REEVES

Steel Bleachers and Grandstands feature comfort . . . durability . . . economy . . . and above all safety! A Reeves installation will quickly pay for itself and then show you years of extra profits.

For full information write . . . wire or telephone

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SE-485

GIVE YOUR JANITORS THE BEST!
SHAMROCK
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Sanitary—Efficient!
 Roll Easily—Won't
 Scar or Mar Floors.

CANVAS BAGS . . .
 Replaceable—Washable

The Shamrock No. 75 Janitor Service Wagon is lightweight and labor-saving . . . helps your janitors cover more area in less time. Sturdy steel frame collapses into small space. Equipped with two 2-inch hard composition casters, and white canvas bag. Wagon measures 20" x 19" x 43" high when bag is open. Grommeted bag is washable; drawstring closure keeps contents secure when bag is taken from frame. Extra bags, white or O.D., are available. Famous Shamrock Canvas Products are used the world over! . . . Write for Literature and Prices!

Mfd. by MEESE, INC., Madison, Ind.

SE-486

Your school, too, can
 afford the very best...

The years and years of dependable trouble-free service built into Newcomb products, together with their matchless facility for meeting all the varied requirements of sound equipment in education, make Newcomb by far your most economical choice. Approved by leading school authorities from coast to coast.



Variable control of tempo and pitch

TR Models provide variable speed control for special applications of sound in teaching music, dancing, gym, language, etc.

FLOATING SOUND

Exclusive feature eliminates needle skipping due to jolts and jars of dancing feet.

MODEL TR-25AM: A versatile, 25 watt, 3 speed player for all records up to 17 1/4". Two 12" speakers. Inputs for 2 mikes, 1 phono with separate tone controls. An effective scratch suppressor. Magnetic pickup.

MODEL TR-16AM: 10 watt, 3 speed player, all records to 17 1/4". 12" speaker. Inputs for 1 mike, 1 phono with separate volume. Magnetic pickup. Scratch suppressor.

MODEL TR-16A: Same as above with crystal pickup, no scratch suppressor.

MODEL R-16: 5 watt, 3 speed player, combines light weight with ruggedness. All records to 17 1/4". 10" speaker. Mike and phono inputs with separate volume. Crystal pickup.

MODEL R-12: 5 watt, high quality, 3 speed player. All records to 12". Oval 6" x 9" speaker. Crystal pickup.

MODEL RC-12: Same as above with changer.

MODEL B-100: AM radio with unbelievable tone. Extremely sensitive. Large built-in loop. Jack for use as a tuner connected to P.A. system or for headphones. 6" speaker.

100% A.C. CONSTRUCTION

All models include power transformers for best performance and complete protection from shock hazard.

Write for catalog

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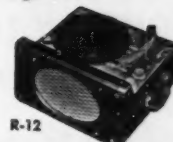
DEPT. HA-5 6824 LEXINGTON AVE.
 HOLLYWOOD 38, CALIFORNIA



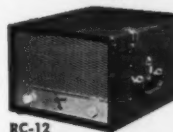
TR-16AM



R-16



R-12



RC-12



B-100



Now! TWO NEW GRADE-AID UNITS TO FILL YOUR NEEDS!

The first practical all-steel clay storage cart, specifically designed for clay and ceramics! The corrosion-proof stainless steel bowl holds up to 150 pounds of clay — heavy-duty casters permit easy handling by teacher and student — non-marking rubber bumpers safeguard walls and furniture! A durable low-cost necessity wherever clay is used!

ALL-STEEL MOBILE CLAY CART!



ART-COUNTER!



New combination sink, work counter and storage unit that will solve your art-room problems! Stainless-steel (and maintenance-free) work counter and sink . . . four roomy shelves, large enough to hold 24" x 36" art paper . . . closed cabinet for supplies! Economical in price — simple to install in minutes!

GRADE-AID DIVISION

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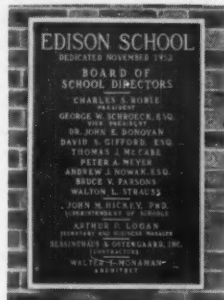
COLONIAL ENGINEERING CO., INC.

GROVE STREET, W. SOMERVILLE 44, MASS.

SE-488

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THEY STAY ATTRAC-
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LAKE SHORE MARKERS INC.

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SE-489

One of 24 Fairhurst Wardrobes originally installed at St. Benedict's School, NYC. Right: Doors open and out of way. Bottom: Closed doors show flush surface. Gustave Steinback, Architect.



Fairhurst®
DISAPPEARING DOOR
SCHOOL WARDROBES

NO MAINTENANCE EXPENSE IN 24 YEARS' CONSTANT USE!

Use by generations of school children is proof indeed of a product's durability and efficiency. Such proof is provided by a letter from Rev. Albert Heuring, pastor of St. Benedict's parish, in which he states:

"Your company installed the wardrobes in our school in 1931. They have been in use since that time and are as good today as the day you installed them."

- Accommodates apparel of 45 pupils in 2' deep by 12' space • Interior unobstructed with doors open or closed • Opened, doors are entirely out of way • No floor track

Write for further details

John T. Fairhurst Co., Inc.

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New York 36, N. Y.

44 YEARS OF LEADERSHIP IN FOLDING WALLS

SE-490

EXCELLENT POSITION OPEN

For Man to Represent

Established School Publishing Company

This position to be filled in summer, 1955. Open to qualified person whose moving expenses to location in mid-west will be paid. Involves supervision of sales representatives in several states.

Experience in business education and in supervision or administration of schools desirable. Age 30-45. Write full information to Box 229, Grand Central Station, New York City.

Only *Floor-King* the No. 1 machine does 10 jobs

Performance of the all-new Floor-King will amaze you—on any job, any floor, any rug! Years ahead features make it more practical, more versatile, easiest for operator. This one machine will scrub, wax, polish, buff, steel wool, disc sand, snampoo a rug—wet or dry, even grind terrazzo, smooth or level concrete and clean factory floors. Designed to help you do a top-notch top-speed job—with less effort, for less money! Two complete lines priced to fit every budget . . . Standard or Heavy Duty models, 14" to 23" brush size, ½ to 1½ H.P. Write, wire or phone today for a free on-the-job demonstration.

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THE **AMERICAN**
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ESTABLISHED 1907

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SE-492

Norquist "POSTURE-PERFECT" SCHOOL DESKS and CHAIRS

Here is embodied the latest and best in classroom desk and chair units.



FREE BULLETIN
on Norquist classroom
seating available on
request.



INSTITUTIONAL DIVISION
NORQUIST PRODUCTS, INC.
JAMESTOWN, NEW YORK

SE-493

The one trimmer and edger that operates at walking speed with both hairbreadth accuracy and complete safety—the Ryan Lawn Groomer. Exclusive SPRING-FLEX BLADES give sharp, clean edges at any angle. Flex action prevents damage to blade, sidewalk, sprinkler heads, etc. Other features like PIVOT-POINT STEERING — MID-SHIP MOUNTED CUTTING HEAD — SAF-T-GUARD — and SAF-T-WHEEL are unmatched anywhere.

Remember—trimming and edging is the secret of good lawn grooming . . . and the Ryan Lawn Groomer is trimming and edging at its best!

Trimming
and edging
at its best!



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LAWN
GROOMER

For full information
and prices, see your
nearest dealer or
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871 Edgerton St.
St. Paul 1, Minn.

Ryan landscaping
Quality Built
Division of **KIM Machine Works, Inc.** equipment company

Manufacturers' Catalogs

SE-707 Trucks and Casters

About Wheels and Progress. Illustrated in two colors, this 20-page brochure gives a brief history of the company from its founding to the present; included in the history is the story of the development of the truck that would *turn on a dime* plus an account of the company's growth and its present-day facilities to supply floor trucks, casters and wheels. The catalog is liberally sprinkled with photos of manufacturing, warehousing and shipping operations plus others of office and engineering facilities. NUTTING TRUCK AND CASTER CO., 1201 W. Division St., Faribault, Minn.

SE-708 Arcadia Door

Arcadia Steel-Framed Sliding Glass Doors & Windows. Graphically illustrating the uses, sizes and types of steel-framed sliding glass doors is a new 12-page catalog issued by Arcadia Metal Products. Technical specification data and quarter-size details are included in the brochure which should be of particular interest to architects, designers, structural engineers etc. Featured in the catalog is a data chart which lists dimensions of glass required for the most popular Arcadia door sizes, rough opening sizes and shipping weights of the product. Specifications and details of doors for both single and double glazing are included along with stock sizes and information concerning custom sizes. ARCADIA METAL PRODUCTS, P. O. Box 657, Arcadia, Calif.

SE-709 Storage and Maintenance Equipment

The World's Finest Steel Shelving. This new catalog just published by the Precision Equipment Co. features steel shelving and lockers, as well as other storage and maintenance equipment for institutional use. PRECISION EQUIPMENT CO., 3636 N. Milwaukee Ave., Chicago 41, Ill.

SE-710 Plastic Table Tops

Johnson Plastic Tops, Inc., recently announced their new 1955 catalog which includes many fine designs in plastic table tops. Featured is a new Johnson table top with a Formica top surface and a 2" thick hard maple edge. This edge, known as Type GG, sweeps back under the table, and together with the natural maple finish creates a massive effect. This new top is available in a wide range of durable materials, super-bonded to Johnson's standard full 9-ply hardwood core, which adds smoothness and beauty to longer wear. JOHNSON PLASTIC TOPS, INC., 69 North St., Elgin, Ill.

SE-711 Daylighting Products

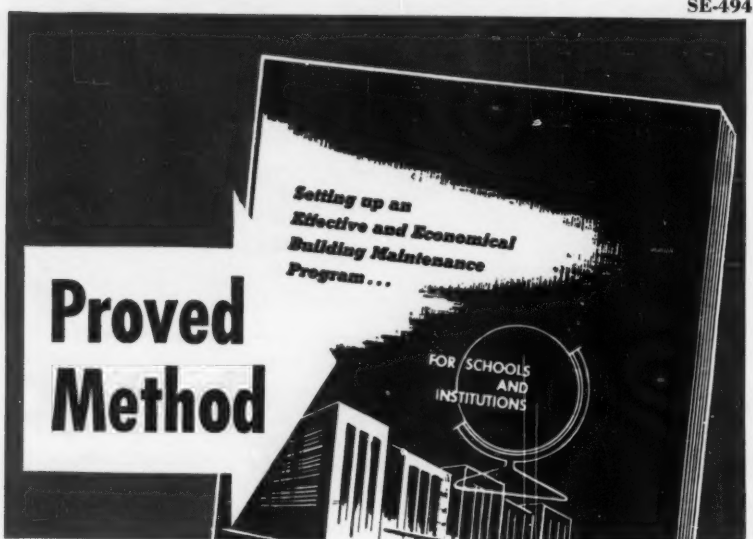
Wasco Products, Inc. announces the publication of an illustrated folder on the Wascolite Acrylic Plastic Airdome and Hathway, two new additions to the Wasco line of prefabricated daylighting products. This new folder describes how the Wascolite Airdome provides daylighting plus ventilation and how the Wascolite Hatchway provides daylighting plus access to the roof. Both products are illustrated in photographs and in detailed schematic drawings. Complete specifications are also given. WASCO PRODUCTS, INC., 93P Fawcett St., Cambridge 38, Mass.

SE-712 Foamglas

Foamglas in Thin Wall & Sandwich Panel Construction is the title of a 12-page brochure listing information on the specific advantages of using Foamglas cellular glass insulation for the new thin curtain wall construction techniques. The brochure contains photographs and details of important projects utilizing this technique. Fabrication and job data accompany each project. The brochure covers Porcelain Enamel Panels, Aluminum & Stainless Steel Facings, Concrete Panels and Spandrel Construction. Under each heading are photographs, panel cross sections, and job data on significant examples of the type of construction. Also included in the brochure is a summary of an accelerated aging test of an architectural panel, as well as a page of typical installation details. PITTSBURGH CORNING CORP., One Gateway Center, Pittsburgh 22, Pa.

SE-713 Steam Cooker

Steaming is Better, a four-page folder, lists the advantages, facts and specifications of steam cooking for large and small kitchens with direct steam, gas or electrically operated Steam-Chef or Steamcraft. THE CLEVELAND RANGE CO., 3333 Lakeside Ave., Cleveland 14, Ohio.



Stretches School Maintenance Budget!

Before you spend money or budget for maintenance on roofs, floors, windows, interior or exterior painting, or waterproofing, it will pay you to consider the Tremco Planned School Maintenance Program.

The Tremco Organization, with 26 years of Preventive Maintenance experience with school systems, has developed a simple, unique plan, which is saving many school boards large sums of money. Your Tremco

Representative—experienced in every phase of building maintenance—will be glad to explain the plan and present you with a copy of the 20 page booklet entitled: "Setting up an Effective and Economical Building Maintenance Program." You are, of course, under no obligation. Write us or call your Tremco Man. The Tremco Manufacturing Co., Cleveland 4, Ohio; and The Tremco Mfg. Co. (Canada) Ltd., Leaside, Toronto, Ont.

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PRODUCTS AND METHODS FOR BUILDING
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THE TREMCO MAN CAN ALSO HELP YOU SOLVE PROBLEMS INVOLVING

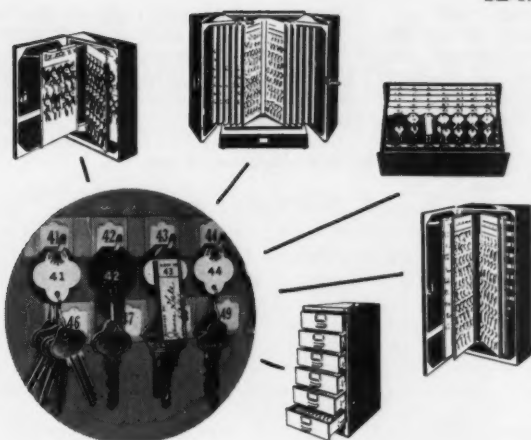
ROOFS

PAINTING

SASH

FLOORS

WATER REPELLENCE



key files alone, for instance...

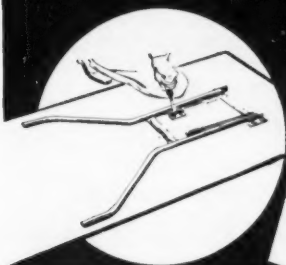
wouldn't give you effective key control. But a really "complete" TelKee System would, because only TelKee assures absolute control over all keys all of the time. It's convenient, profitable, easy to set up and operate. For full details, send for our Free catalog No. S.E. 19 today.

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SE-496

CUT SCHOOL TABLE COSTS!



MAKE YOUR OWN
FOLDING TABLES
IN MINUTES... WITH
'TABLECRAFTERS'
TUBULAR STEEL
FOLDING TABLE LEGS.

Make tables for lunchrooms, libraries, classrooms, shop rooms and studios. A screwdriver is the only tool you need. Heavy, rustproof... won't collapse... yet fold easily for compact storage. Use to replace broken or makeshift table legs, too.

COMPLETE KIT
FOR ONE TABLE

\$895

Send check or money order—we'll pay freight.

**SPECIAL 10%
SCHOOL DISCOUNT**
(6 or more sets)

UNCONDITIONALLY GUARANTEED

Try a set on approval—Send No Money. If not satisfied return legs within 30 days—we'll pay freight.

SEND FOR SAMPLE SET NOW!

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PHILADELPHIA, PA.

Put Your Work on Wheels with

LAKE SIDE

**Stainless Steel
CARTS • TRAY
TRUCKS • PANS**



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Model 311 (left)
15½x24"
shelves.... **\$29.95**

Model 322 (right)
17½x27"
shelves.... **\$36.50**

Heavy Duty Carts

Model 411 (left)
15½x24"
shelves.... **\$47.00**
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17½x27"
shelves.... **\$52.00**

Model 526 (right)
17½x27" shelves,
2" rim or
guard rail... **\$58.00**



Sturdy Tray Trucks

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Six 21x35"
shelves... **\$123.50**

Model 355 (right)
Five 18x31"
shelves.... **\$83.50**

If it's Lakeside
it's Stainless Steel!



Utility Pans

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(shown)
21x14½x5"..... **\$11.00**

Model 122
24x16½x5"..... **\$13.00**



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West Coast prices slightly higher.
See your jobber or write for dealer's name.

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MFG. INC.

1969 S. Allis St.

Milwaukee 7, Wis.

Manufacturers' Catalogs

SE-714 Ice Cuber

The production of perfectly pure, completely solid ice cubes made by the Scotsman Super Ice Cuber Model SC-200 is described in a two-page catalog sheet recently published. Included in the two-color sheet are complete specifications, photos and construction features. The production of 3500 cubes or 225 lbs. of ice per day is possible in the unit which measures 42" long by 24" wide and stands

39" high. Use of freezing water only once and complete flushing of any impurities after each cycle prevents any dirt in the ice and eliminates cleaning problems. AMERICAN GAS MACHINE CO., Dept Qs, Queen Stove Works, Inc., Albert Lea, Minn.

SE-715 Gymnasium Seating

Catalog R-54. To the school officials, architects or engineers now planning or anticipating installation of gymnasium seating, this catalog includes a section devoted primarily to planning aids for gymnasium seating. The information includes recommended dimensions for seating installation economics, how to prepare sur-

faces covered by gymnasium seating, best doorways, etc. In addition to illustrating and describing Wayne rolling gymstands in detail, the catalog covers variations available other than standard construction, accessories, and architectural specifications. WAYNE IRON WORKS, 844 North Pembroke Ave., Wayne, Pa.

SE-716 Shop Equipment

Sturdi-Bilt Catalog 155. Publication of this new 20-page catalog has been announced by Sturdi-Bilt Steel Products. Featured are: the Bulk Bin which quickly provides versatile storage space without bolts, nuts or tools; three lines of work benches with tough, plastic impregnated wood tops for individual or continuous mounting; and the recently developed machine and assembly stand which furnishes an infinite number of bearing points for the mounting of bench tools, or assembly fixtures. Shop tenders, drawers, risers, work bench illuminator, power strip, tool racks and other workshop accessories are also included and fully described. STURDI-BILT STEEL PRODUCTS, INC., 2501 Peterson Ave., Chicago 45, Ill.

SE-717 Laboratory Thermometers

Catalog 55-A. This new 1955 edition of Laboratory Thermometers is now available. Included are descriptions of over 850 thermometers, and the introduction of the un-etched permanent P-M markings. Specifications and prices are listed. As described on page one, the Permanent (P-M) Markings applied to the surface of the glass will never deteriorate in use and will appreciably extend the useful life of the instrument. A few of the contents are: centigrade and fahrenheit scale thermometers; white back, yellow back, red magnifying and red round mercury tubes; organic, 4-5 mm. O. D. micro distillation thermometers; ASTM thermometers; and midjet thermometers, 6" long. BROOKLYN THERMOMETER CO., 217-09 Merrick Blvd., Springfield Gardens, N. Y.

SE-718 Folding Equipment

Schieber Port-a-Fold Wall Recess Tables & Benches is the title of a new four-page brochure which describes the company's Port-A-Fold wall pocket units. The pamphlet gives complete descriptive and engineering information. It also details several refinements which have been made in the line since it was originally announced. SCHIEBER SALES CO., Detroit 39, Mich.

SE-719 Lighting Systems

School Building or Little Red Schoolhouse is the title of a new 32-page catalog just released which tells the story of Westinghouse controlled lighting systems adaptable to a modern school building. Numerous lighting fixtures are described for general classrooms, utility rooms, offices, shop departments, home economics departments and auditoriums and gymnasiums. Electrical blocks are also featured and a complete Westinghouse Block system illustrated and described. WESTINGHOUSE ELECTRIC CORP., CONSTRUCTION DEPT., E. Pittsburgh, Pa.

SE-498

Strong Folding Tables by HOWE

Howe folding tables are especially designed for comfortable seating and rugged wear. They're light, strong—and practically indestructible. They fold smoothly and compactly—take up minimum space when not in use.



HOWE
Square Leg
Table

All steel chassis. A brace at each leg for extra strength and a leg at each corner for engineering balance. Riveted and welded throughout. Choice of several different tops and sizes.

All steel chassis with retracting leg fold. Strong, fool-proof lock with self-tightening principle. Two separate braces for each pair of legs. Braces are riveted to chassis. Choice of several different tops and sizes.



New HOWE
Pedestal Leg
Table



New HOWE
Bench and Table
Combination

This revolutionary folding bench and table unit is a wonderful convenience for cafeteria, classroom and many other uses. Converts quickly into a bench with back rest, or a two tier "bleacher." Folds automatically and can be moved with ease. No more lifting or lugging. It literally "floats" along.

Dimensions: Table—30" x 72" x 27" high. Benches—9 1/2" x 72" x 16" high. Folded position 17 1/2" x 72" x 38 1/2" high.

IF IT FOLDS—
ASK

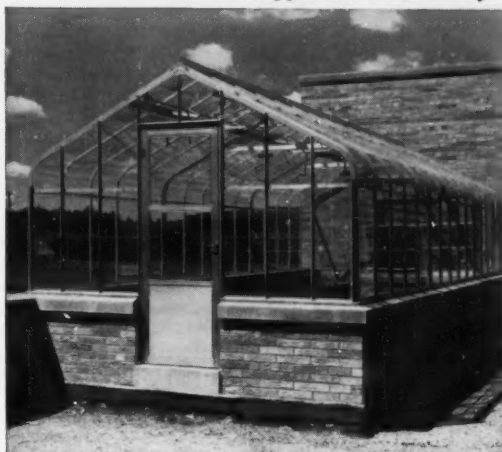
HOWE

HOWE FOLDING FURNITURE, INC. ONE PARK AVE. • NEW YORK 16, N.Y.

ALUMINUM GREENHOUSES

offer everything you ask for in a school installation!

SE-501



MODEL E-2 THREE SECTION

So perfectly does the Everlite meet and exceed the special requirements for school and institutional use, that it might have been custom designed to your architect's specifications. Check these standard features that make Everlite the outstanding buy for your school installation...

1. **LONG LIFE**—Ageless Alcoa aluminum alloy extrusions and castings...nothing to rust, rot, sag, shrink, swell or warp.
2. **MAINTENANCE-FREE**—Corrosion-proof aluminum requires no scraping or painting...repair or replacement...will not support disease, mold, fungus or termites.
3. **BEAUTIFUL APPEARANCE**—Harmonizes with any type architecture...approved by leading architects as a wise investment of school funds.
4. **MAXIMUM LIGHT ADMISSION**—Narrow aluminum sash bars and curved eaves admit up to 1/3 more light.
5. **ABUNDANT VENTILATION**—Wide vents extending full length of house with weatherproof, continuous-socket hinge.
6. **FIREPROOF**—Nothing to sustain combustion...ideal for roof installations.
7. **COMPLETE ACCESSORIES**—One source for automatic heating and ventilating equipment, Transite benches and everything needed.
8. **EASY, QUICK ERECTION**—No on-the-job fabrication...can be erected by unskilled personnel.
9. **EXPANDABLE**—Standardized sections permit easy, low-cost expansion.

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Aluminum Greenhouses, Inc.

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SE-502

playgrounds with bounce
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WITH

**Firestone
RUB-R-PLAY
SURFACING**



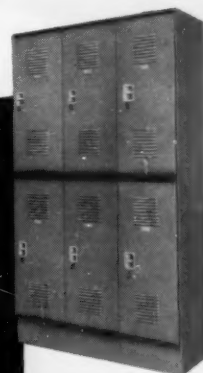
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**THE FIRESTONE TIRE & RUBBER CO.
RUBBER PAVING DIVISION, AKRON, O.**

SE-503

ALL 3*
AGREE

on
**Modern-Flow
Lockers!**



SUPERINTENDENT OF SCHOOLS

"We are pleased with their neat, trim design and we feel that they contribute greatly to the overall appearance of our corridors."

SCHOOL BOARD MEMBER

"Their low initial cost combined with rugged construction for long life will reflect considerable savings to the District."

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"Equipto Modern-Flow Lockers appeal to me because there are no dinky bolted-on parts to come loose or fall off. This will save hours of maintenance every semester."

*Extracts from actual testimonials. Names furnished on request.

Find out, too, about the pilfer-proof design, recessed latches, absence of nuts or bolts, and 6 times faster erection of Modern-Flow Lockers. It's all contained in a new illustrated folder just off the press. Write today for your copy.

Equipto
DIVISION OF AURORA EQUIPMENT COMPANY

612 Prairie Avenue, Aurora, Illinois
Steel Shelving • Parts Bins • Drawer Units

New Textbooks

SE-720 Lathe Text

How To Run a Lathe is a new and revised edition 53. There are eleven chapters clearly written in non-technical language making it easy for the beginner to understand. The text covers such items as the correct installation and leveling of the lathe, grinding cutter bits, turning, boring, thread cutting, taper turning, drilling, reaming, tapping, machinability ratings and cutting speeds for various kinds of steels; standard tolerances for press fits, running fits, push fits, and sliding fits; allowances for finish turning, filing, polishing, grinding, reaming, lapping and honing. This edition is available in paper binding at 50c or in imitation leather fabrikoid binding at \$1.50

a copy. SOUTH BEND LATHE WORKS, South Bend 22, Ind.

SE-721 School Workbooks

Five new grade school workbooks are now available. The books are made up of removable spirit masters from which enough copies for an entire class can be duplicated. The titles are as follows: (1) *Living and Non-Living Things*, a study of plants and animals for grades three and four; (2) *The Solar System*, for grade six, provides exercises for developing reading, arithmetic, and observation skills through a study of elementary astronomy; (3) *Let's Take a Field Trip*, for grade five. A schoolroom trip to a waterfall is used to develop reading and study skills; (4) *Natural and Artificial Light* investigates the sun and stars, and traces the develop-

ment of gas and electric light for grade six use; (5) *Why the Weather*, for grades three and four, is the study of rain, snow, sleet, and other weather phenomena. A. B. Dick Co., 5700 W. Touhy Ave., Chicago, Ill.

SE-722 Science Series

Science and Living in Today's World, is a new Science series for Catholic elementary schools grades 4 to 8. Price \$1.25. Written by Sister Mary Raphael and Sister Monica Marie. The authors have prepared a textbook that is fully scientific, authentically Christian, and properly suited to the needs and experiences of an eighth-grade student. Some of the features include: science biographies, illustrations, students' bibliographies, etc. A list of selected reading is found at the end of the book. The pronunciation guide contains the main scientific terms and proper names that appear in the book. The index serves as both a simple reference guide to the book as well as an aid to the student in studying and reviewing his text. DOUBLEDAY & Co., Inc., Garden City, N. Y.

SE-723 Education and Health

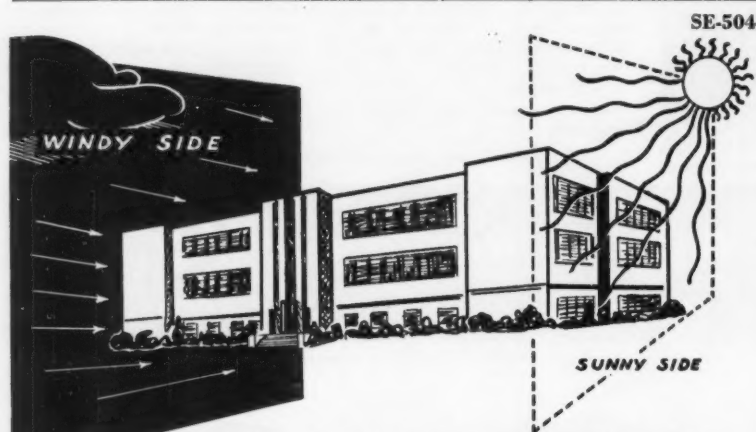
Education And Health of the Partially Seeing Child, Third Edition is the title of Winifred Hathaway's new text which stresses in particular the changed attitude of society in recent years toward the unnecessary segregation of handicapped children. After a careful study of the provisions and facilities suited to the needs of partially seeing children, she presents plans which allow for their participation in normal school life. The third edition includes new material concerning recent developments—classroom equipment, finding partially seeing children, education in rural areas, itinerant-teacher programs, and regular-class placement. 227 pages, price \$3.75. COLUMBIA UNIVERSITY PRESS, New York 27, N. Y.

SE-724 American History

Survey of American History. This text portrays The American in every mood and every situation—in war, in peace, in politics, in business, on the farm, in the living room, and on the playing field. It weaves political, economic, sociological, geographical, cultural, intellectual, and psychological forces into a balanced presentation of life in America. Controversial subjects are treated fairly, and this country is viewed objectively in its world setting. Throughout, the author, Professor Leland D. Baldwin, makes a strong stand for democracy. There are maps, charts, and cartoons in abundance. Approximately 864 pages. AMERICAN BOOK Co., 55 Fifth Ave., New York 3, N. Y.

SE-725 Science Texts

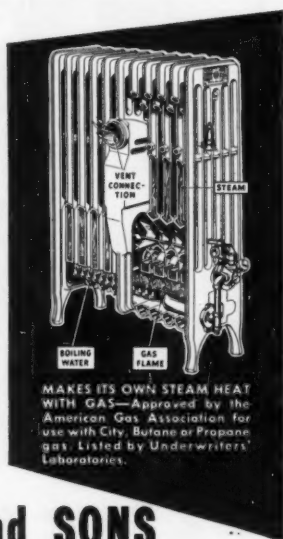
Lippincott Science Texts for elementary, junior high school and high school contains a selection of science books obtainable. Subjects covered include General Science, Elementary Science, Biology, Chemistry, Physics and Physical Science. Prices are listed. J. B. LIPPINCOTT Co., 333 West Lake St., Chicago 6, Ill.



Individual heat control for each classroom in changeable climates!

Each classroom can be heated independently, resulting in a substantial saving in fuel costs. You see, each GASTEAM RADIATOR is an independent steam-heating plant, requiring no steam or water connections, boiler or boiler room—only a small gas connection and a vent pipe are needed. Thus you save a considerable sum in the total cost of your heating plant. That's how CLOW GASTEAM RADIATORS will stretch your school budget. And because of GASTEAM's independent operation, you can solve the kind of problem shown above and save fuel: the Radiators on the chilly windward side keep going, while those on the warm sunny side turn off automatically.

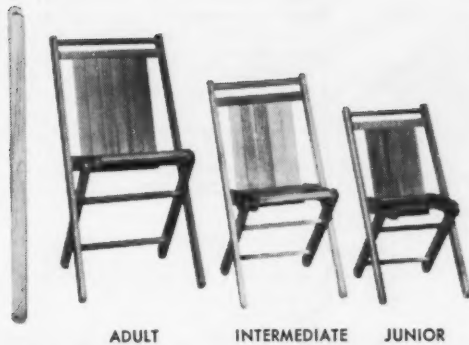
Write today for full details of GASTEAM's healthful steam heat and how perfectly it meets the needs of the South's mighty school expansion program.



JAMES B. CLOW and SONS

201-299 N. Talman Avenue, Chicago 80, Illinois

SE-505



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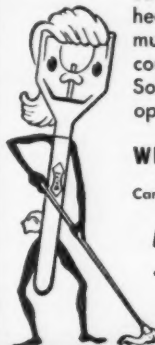
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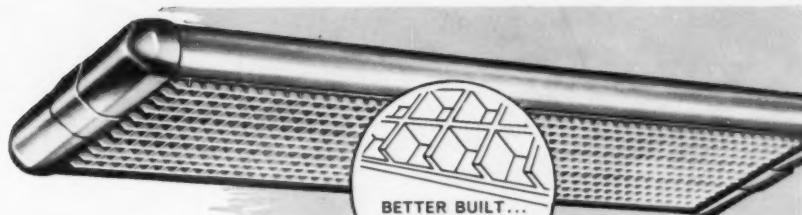
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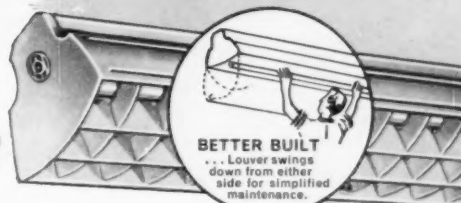


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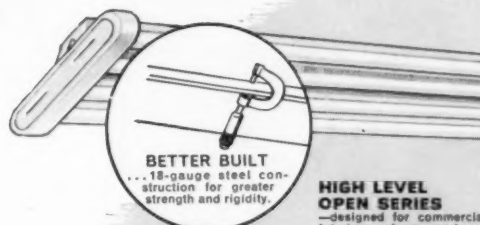
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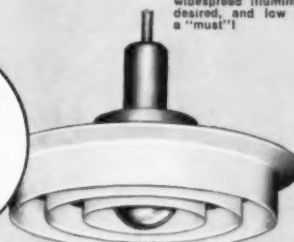


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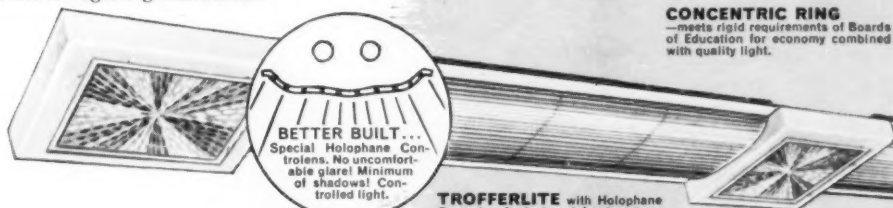
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